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**Care for Veterans with**

**Psychosis in the VHA, FY01**

**3<sup>rd</sup> Annual National Psychosis Registry Report**

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## **Executive Summary**

The Veterans Health Administration (VHA) continues to monitor and assess its capacity to treat its most vulnerable patients. The Serious Mental Illness Treatment Research and Evaluation Center (SMITREC) developed the National Psychosis Registry with the goal aiding in this undertaking. It includes comprehensive information on all veterans with psychosis who have received care in the VHA since Fiscal Year 1988.

This annual report, "Care for Veterans with Psychosis in the VHA" presents information on the state of care for patients with psychosis for the previous fiscal year and demonstrates changes over time, allowing for early detection of trends and proactive decision making.

The report has five chapters, each focusing on a specific domain of interest to the VHA, including demographics, patient characteristics, health services utilization, use of antipsychotic medications, and costs. Each chapter includes background and discussion of the domain, key findings, a guide to the tables, and the actual national and VISN level tables. The entire report, along with station level tables for each VISN will be available on our web site: (<http://www.va.gov/annarbor-hsrd/SMITREC.htm>)

### **Major Longitudinal Findings**

- The population of patients with psychosis continues to rise, up 1.9% from FY00 and 2.7% from FY99.
- This growth is due to expansion in the number of patients with bipolar disorder (up 5.8% from FY00 and 9.4% from FY99) and other psychoses (up 12.8% from FY00 and 19.6% from FY99).
- The number of patients with schizophrenia has declined (down 3.5% from FY00 and 5.6% from FY99.)
- Unreported inpatient GAF scores remain very high, at almost 60%.
- Unreported outpatient GAF scores continue to drop (29.8% in FY99, 18.6% in FY00 and 14.3% in FY01)
- From FY99 to FY01, average total inpatient days decreased 23.8%, from 35.03 to 26.7 days per year.
- Average total psychiatric inpatient days were 8.3% lower since FY00 and 29.2% since FY99.
- The percentage of patients with psychiatric stays of at least 100 days fell from 3.9% in FY99 to 2.6%.
- Total outpatient clinic stops decreased 9.8% in FY01, with an overall decrease of 26.6% since FY99.
- Among patients with schizophrenia, Clozapine use has continued to slowly increase, to 2.9% in FY01.
- Among patients with schizophrenia, the percentage who received atypical anti-psychotics rose from 58.7% in FY99 to 77.4% in FY01.
- Among patients with schizophrenia receiving one category of antipsychotic, the mean Medication Possession Ratio (MPR) rose in FY01 (to 81.2%) after being down in FY00.
- The percentage of such patients who were very poorly compliant (MPR <0.5) continues to drop.
- Total costs increased 2% in FY01, while still 4.3% less than FY99.
- Pharmacy costs rose sharply 10.8% since FY00, and 12.3% since FY99.
- The ratio of patients with schizophrenia to those with bipolar disorder ranges from .85 to 2.5 across VISNs. It is unclear to what extent this is due to uneven distribution of diagnoses versus differing practice/diagnosis patterns.

### **Major FY01 Findings**

- Almost 13% of patients had an indication of homelessness, with the rates for those with bipolar disorder higher than those with schizophrenia (15% vs. 12.4%).
- Forty-two percent of patients with schizophrenia had service connection of at least 70%, the cut off for long term care provisions mandated in the Millennium Bill.
- Substantial variability across VISNs observed for numerous measures
  - percentage of patients with inpatient psychiatric care, from a high of 24.7 to a low of 12.8;
  - percentage of patients with an inpatient psychiatric stay of over 150 days, from 5.8 to 0.0;
  - cumulative days of inpatient psychiatric care, from a low of 7.35 to a high of 34.13;

- percentage of patients with at least one primary care stop, from 79.9 to 58.5;
- average number of case management clinic stops, from 4.4 to 0.04; and
- average number of overall clinic stops, from 29.2 to 58.7.
- use of Clozapine for patients with schizophrenia, ranging from 1.1 to 6.4 percent.
- 77.4% of patients with schizophrenia on antipsychotic medications received atypical agents in FY01.
- Among patients with schizophrenia who received one type of antipsychotics, 39.4% had MPRs less than 80%.
- Over \$3B was spent in FY01 on this population for medical and psychiatric care, almost 15% of the VA's budget for health care.
- \$15,673 was spent per patient in FY01, 44% for outpatient, 36% for inpatient, 20% for non-VA and long-term care.

## **Longitudinal Data**

The ability to view changes over time is essential to detect emerging trends and allow for meaningful planning. This section presents notable changes between FY99 and FY01\*. Summaries and tables are provided for each of the five domains.

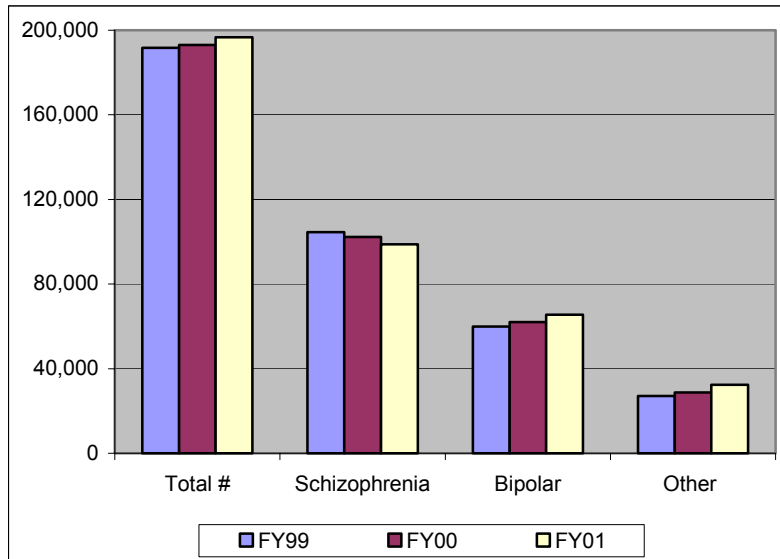
### **Demographics**

- The population of patients with psychosis continues to rise, up 1.9% from FY00 and 2.7% from FY99.
- This growth is due to expansion in the number of patients with bipolar disorder (up 5.8% from FY00 and 9.4% from FY99) and other psychoses (up 12.8% from FY00 and 19.6% from FY99).
- The number of patients with schizophrenia has declined (down 3.5% from FY00 and 5.6% from FY99.)
- The percentage of women SMI veterans continues to slowly rise from 6.7% to 7.1% in FY01.
- Minimal differences observed for other demographic variables.

<b>Variable</b>	<b>FY99</b>	<b>FY00</b>	<b>FY01</b>
Total population	191,606	192,982	196,675
Schizophrenia	104,593	102,295	98,739
Bipolar disorder	59,938	61,992	65,556
Other psychosis	27,075	28,695	32,380
Mean age	53.80	54.31	53.97
American Indian	0.3%	0.3%	0.3%
Asian	0.6%	0.6%	0.6%
Black	20.7%	20.6%	20.3%
White	61.0%	61.3%	60.7%
Hispanic	6.0%	6.1%	5.8%
Unknown race	11.4%	11.2%	12.2%
Never married	33.1%	31.9%	30.9%
Married	32.5%	32.6%	32.9%
Divorced/separated	30.2%	31.1%	31.4%
Widowed	4.2%	4.4%	4.8%
Female, %	6.7%	6.8%	7.1%

\* This section reports longitudinal comparisons of all patients with a psychosis diagnosis in each year, FY99, FY00, and FY01. Given the decreasing number of patients with schizophrenia (down 5.6% since FY99) and the rising number of patients with bipolar disorder (up 9.4%) and other psychoses (up 19.6%), we investigated whether the observed trends among all patients with psychoses may be explained by case-mix changes. Separate analyses, available from the authors, indicate general consistency by psychosis diagnosis category with the aggregate trends among all patients with psychoses.

## Patients with Psychosis Diagnoses, FY99-01, by Psychosis Category



### Patient Characteristics

- Mean outpatient GAF scores remained fairly consistent across all years.
- Unreported inpatient GAF scores remain very high, at almost 60%.
- Unreported outpatient GAF scores continue to drop (29.8% in FY99, 18.6% in FY00 and 14.3% in FY01)
- Geographic accessibility, measured by distance to VA care, improved in FY01 after a small decline in FY00. Distance to nearest medical center decreased by 2.1% and distance to the nearest service site decreased by 16.2%.
- The number of patients designated “complex” by VERA rose from 16.6% to 19.3%.

Variable	FY99	FY00	FY01
Mean outpatient GAF score	50.92	50.33	50.56
Unreported Inpatient GAF	28.3%	59.5%	59.3%
Unreported Outpatient GAF	29.8%	18.6%	14.3%
Died during fiscal year, %	2.8%	2.9%	2.8%
MSA resident	79.0%	78.1%	77.9%
Miles from nearest VAMC	26.48	31.32	30.66
Miles from nearest Site	12.22	12.74	10.68
VERA complex, %	17.0%	16.6%	19.3%
Eligibility: Category A, %	97.8%	97.0%	96.3%

## **Inpatient Utilization**

### **Inpatient Care**

- Admissions continue to decrease slightly, by 0.5% from FY00 to FY01 and 6% overall.
- From FY99 to FY01, average total inpatient days decreased 23.8%, from 35.03 to 26.7 days per year.
- The percentage of patients with stays of at least 100 days fell from 4.8% in FY99 to 3.4% in FY01.

### **Inpatient Psychiatric Care**

- Psychiatric admissions continue to drop, though less sharply than before (down 2.7% since FY00 and 20% since FY99).
- Average total psychiatric inpatient days were 8.3% lower since FY00 and 29.2% since FY99.
- The percentage of patients with psychiatric stays of at least 100 days fell from 3.9% in FY99 to 2.6%.

### **Inpatient Rehabilitation**

- Total days of residential rehabilitation rose 19.7% since FY00 and 32.9% since FY99.
- The percentage of patients with residential rehabilitation stays of at least 100 days rose from 2.7% in FY99 to 6% in FY01.

### **Inpatient Domiciliary Care**

- Total domiciliary days has shown a steady decrease, 4.3% since last year and 9% overall.
- Percentage of patients with stays of at least 100 days is still high but has declined to 29.4%.

### **Inpatient Nursing Home Care**

- In FY01 there was a 10.2% increase in total nursing home days after a 19% decrease in FY00.

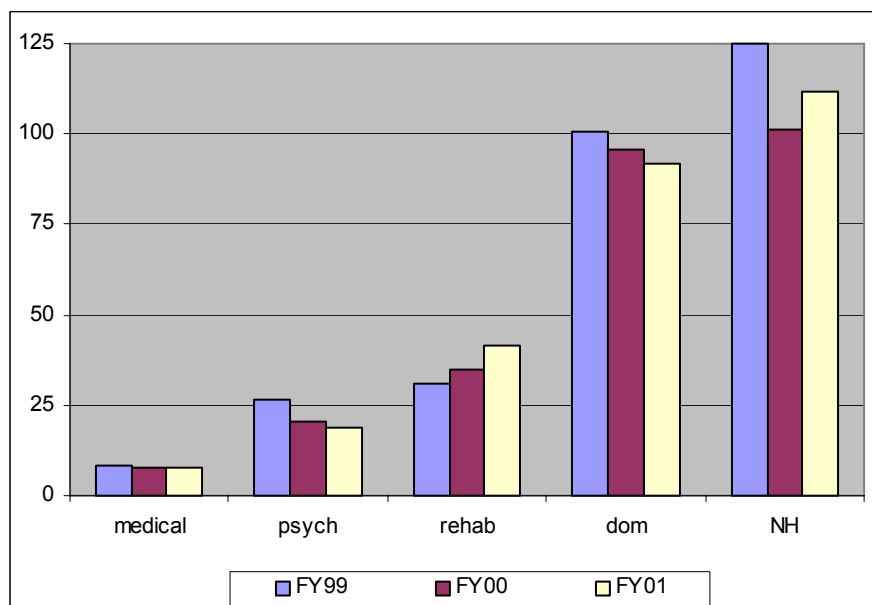
## **Outpatient Utilization**

- Virtually all (98.9%) patients with psychosis had outpatient utilization.
- Average total outpatient visits fell 4% from last year.
- Total outpatient clinic stops decreased 9.8% in FY01, with an overall decrease of 26.6% since FY99.
- Overall decrease in stops from FY99 to FY01:
  - medical stops: 33.6%
  - psychiatric stops: 17.5%
  - case management stops: 4.2%
  - day treatment stops: 18.8%
  - substance abuse stops: 8.9%

### Inpatient Utilization Table

Variable	FY99	FY00	FY01
Hospital: Total			
% with some	23.5%	30.9%	29.9%
admits	2.00	1.89	1.88
days	35.03	28.34	26.71
100+ days, %	4.8%	3.6%	3.4%
Hospital: Medical			
% with some	8.9%	14.4%	14.5%
admits	0.65	0.78	0.80
days	8.28	7.68	7.76
100+ days, %	1.0%	0.7%	0.8%
Hospital: Psychiatric			
% with some	17.5%	19.7%	18.7%
admits	1.35	1.11	1.08
days	26.75	20.66	18.95
100+ days, %	3.9%	3.0%	2.6%
% with other institutional care	6.4%	9.4%	9.1%
Residential rehabilitation:			
% with some	1.7%	2.2%	1.7%
admits	1.13	1.12	1.11
days	31.20	34.64	41.45
100+ days, %	2.7%	4.0%	6.0%
Domiciliary:			
% with some	2.0%	3.4%	3.4%
admits	1.17	1.19	1.18
days	100.63	95.69	91.62
100+ days, %	31.9%	30.8%	29.4%
Nursing Home:			
% with some	3.1%	4.4%	4.4%
admits	1.20	1.26	1.24
days	125.19	101.40	111.73
100+ days, %	31.9%	33.9%	33.5%

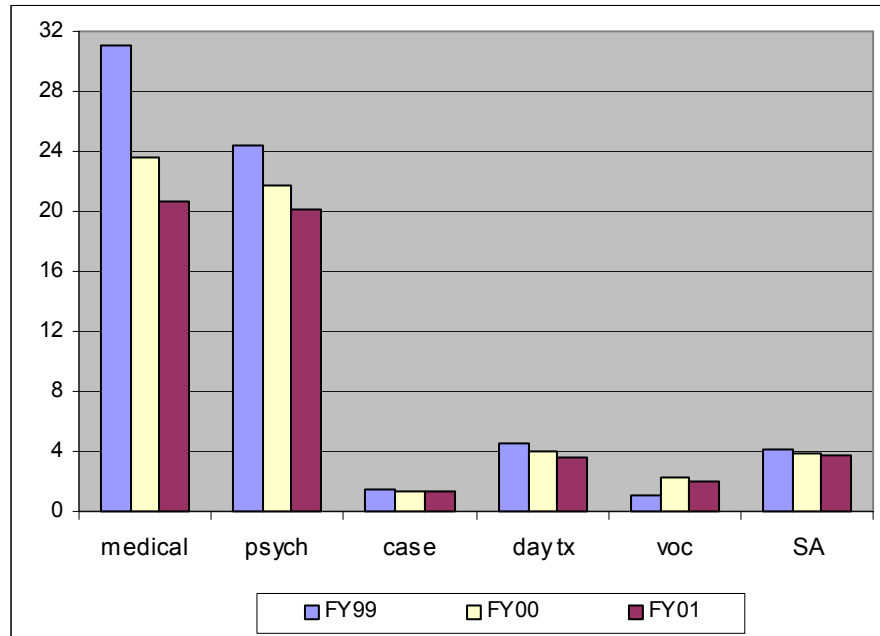
## Average Cumulative Days of Stay among Psychosis Patients with some use in that setting, FY99-01



## Outpatient Utilization Table

Variable	1999	2000	2001
Some outpatient care, %	98.8%	98.9%	98.9%
Visit days, total	27.48	27.33	26.25
Clinic stops, total	55.52	45.23	40.78
Clinic stops, medical	31.11	23.55	20.65
Clinic stops, psychiatric	24.41	21.29	20.13
Clinic stops, case management	1.43	1.38	1.37
Clinic stops, day treatment	4.48	3.96	3.64
Clinic stops, substance abuse	4.14	3.84	3.77
Clinic stops, vocational	1.08	2.23	2.03

### Mean Outpatient Clinic Stops among Psychosis Patients with some Outpatient Use, FY99-01, by setting



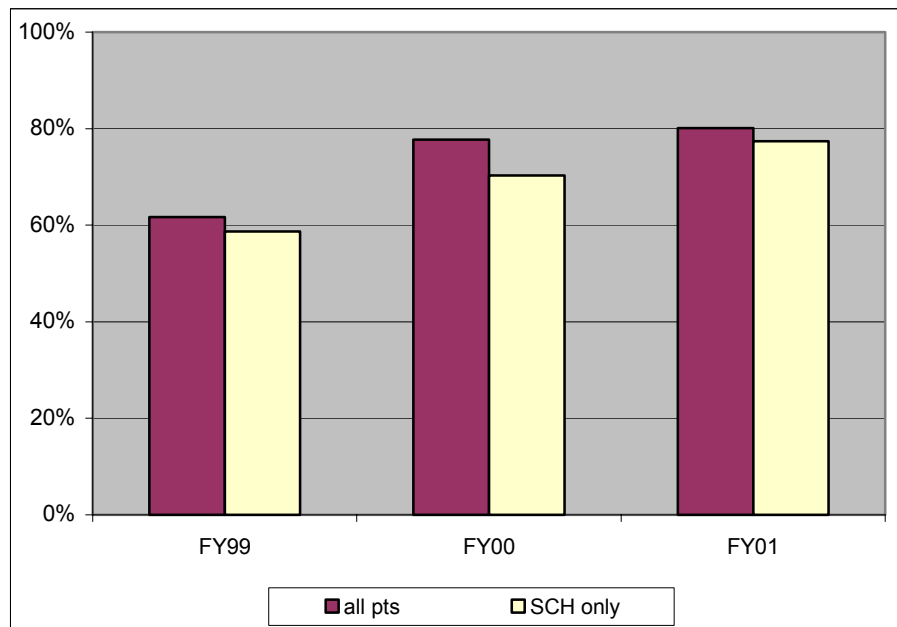
### Medication

- The percentage of all patients with psychosis who received Quetiapine increased dramatically, from 3.2% in FY99 to 14.1% in FY01.
- Among patients with schizophrenia, Clozapine use has continued to slowly increase, to 2.9% in FY01.
- Among patients with schizophrenia, the percentage who received atypical anti-psychotics rose from 58.7% in FY99 to 77.4% in FY01.
- Among patients with schizophrenia receiving one category of antipsychotic, the mean Medication Possession Ratio (MPR) rose in FY01 (to 81.2%) after being down in FY00.
- The percentage of such patients who were very poorly compliant (MPR <0.5) continues to drop.
- The percentage of patients who received any antipsychotic rose to 59.6%.
- The average number of prescription fills fell 2.5% in FY01, down 13.1% since FY99.
- Concurrent use of two or more antipsychotic medications continued to increase, both for patients with schizophrenia (10.6% to 12.1% to 13.7%) and overall (8.7% to 9.6% to 10.5%).

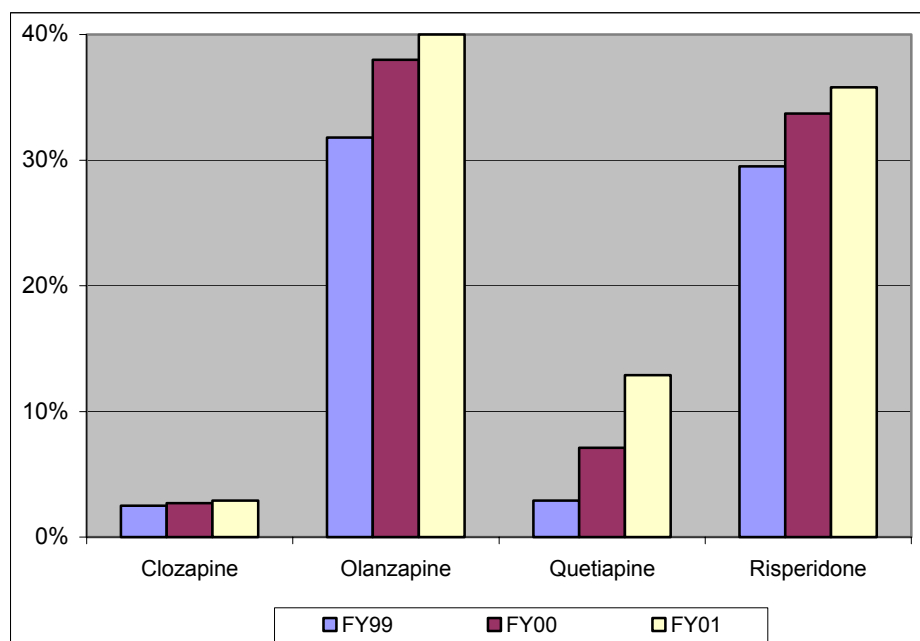
Variable	FY99	FY00	FY01
% on Clozapine (all pts)	1.8%	1.9%	1.9%
% on Clozapine (SCH only)	2.5%	2.7%	2.9%
% on Olanzapine (all pts)	32.6%	39.3%	40.0%
% on Quetiapine (all pts)	3.2%	7.7%	12.9%
% on Risperidone (all pts)	32.1%	36.0%	35.8%
MPR, mean	81.4%	77.4%	81.2%
MPR <= 0.80, %	43.5%	44.3%	39.4%
MPR <= 0.50, %	24.5%	23.7%	19.3%
% some antipsychotic fills	56.4%	57.0%	59.6%
Antipsychotic fills, mean	8.40	7.51	7.30

Variable	FY99	FY00	FY01
% atypical use	61.7%	77.7%	80.1%
% some atypical (SCH only)	58.7%	70.3%	77.4%
Concurrent 2+ meds	8.7%	9.6%	10.5%
Concurrent 2+ meds (SCH only)	10.6%	12.1%	13.7%

**Receipt of Atypical Antipsychotics among Psychosis Patients who Received any Antipsychotics, FY99-01**



**Receipt of Atypical Antipsychotics Among Schizophrenia Patients who Received any Antipsychotics, by type of Atypical, FY99-01**



## Costs

- Total costs increased 2% in FY01, while still 4.3% less than FY99.
- Total costs per patient were virtually unchanged from last year, while 6.8% less than FY99.
  - Outpatient cost per patient increased 15.9% since FY00, and 9.2% since FY99.
  - Inpatient cost per patient continue to fall, dropping -19.8% since FY00 and -24.9% since FY99.
  - Pharmacy costs rose sharply 10.8% since FY00, and 12.3% since FY99.

Methodology*	<i>CDR</i>	<i>CDR</i>	<i>CDR**</i>	<i>DSS</i>
<b>Variable</b>	<b>FY99</b>	<b>FY00</b>	<b>FY01</b>	<b>FY01</b>
Total cost	\$2,987,721,523	\$2,801,672,073	\$2,858,557,485	\$3,082,525,802
Annual costs per patient	\$15,593	\$14,518	\$14,534	\$15,673
Outpatient costs per patient	\$5,893	\$5,553	\$6,435**	\$6,939
Hospital costs per patient	\$6,908	\$6,471	\$5,190**	\$5,597
Other costs per patient	\$2,792	\$2,494	\$2,909**	\$3,137
Psych costs %	41.0%	40.3%	34.6%	34.6%
Pharmacy costs per patient	\$1,356	\$1,374	\$1,523**	\$1,642
Costs other station, %	5.1%	4.5%	4.2%	4.2%
Costs other VISN, %	1.8%	1.7%	1.6%	1.6%

\* Cost data source is the Allocation Resource Center (ARC). Cost data in FY99 and FY01 were derived from Cost Distribution Report data (CDR). FY01 was a transitional year in which cost data were calculated from the CDR and also from Decision Support System (DSS) data. This report presents DSS costs data.

\*\* Analysis of ARC's CDR and DSS-generated FY01 costs indicate that DSS cost estimates were 7.84% greater than ARC's CDR-based estimates. For these comparisons, where actual CDR measures were not available, FY01 DSS costs were adjusted.

## FY01 Data

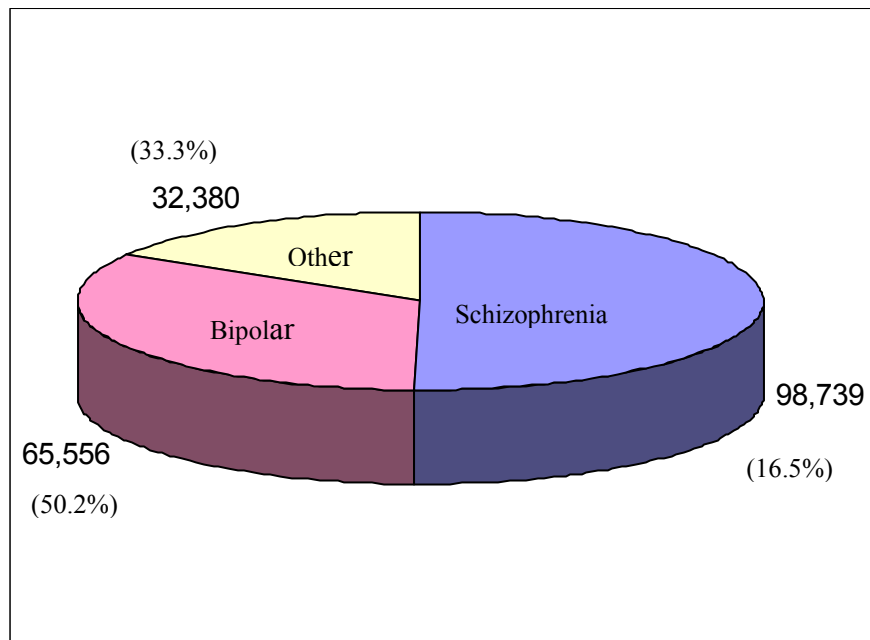
### Demographics

Service needs vary with patient demographics. The ability to follow trends will enable more targeted planning efforts. We report on age, gender, race and marital status.

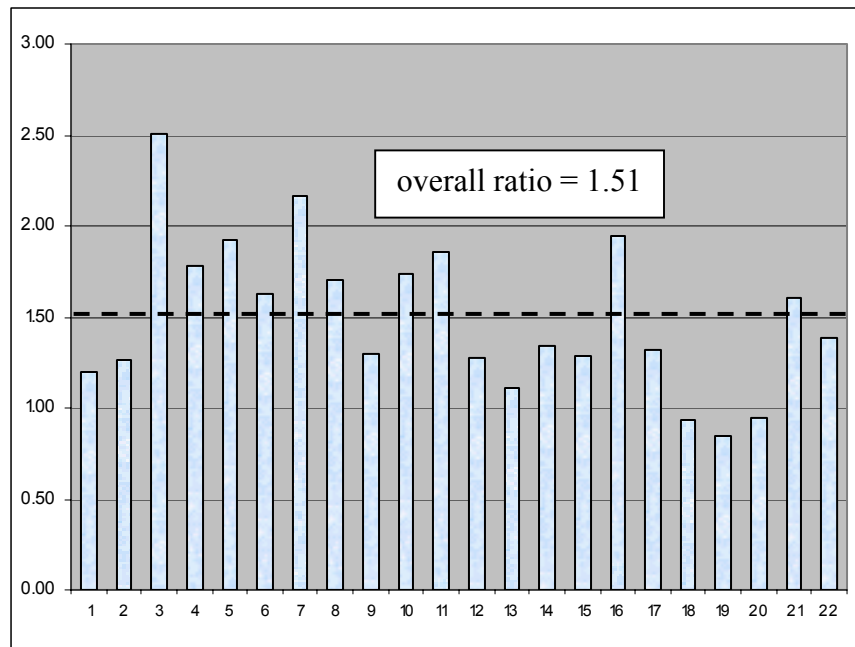
#### Key findings:

- In FY01, VHA provided care to 196,000 patients with psychosis, over 98,000 having a diagnosis of schizophrenia and over 65,000 with bipolar disorder.
- Approximately 26% of veterans diagnosed with schizophrenia are African American, while, as of 2000, only 20% of the armed services were African American.
- The percentage of veterans with bipolar disorder who are women is over twice as high the percentage of veterans with schizophrenia who are women.
- The mean age of all patients was 54, with almost 25% over the age of 65.
  - Over 26% of patients had a concurrent substance abuse diagnosis.
- The ratio of patients with schizophrenia to those with bipolar disorder ranges from .85 to 2.5 across VISNs. It is unclear to what extent this is due to uneven distribution of diagnoses versus differing practice/diagnosis patterns.

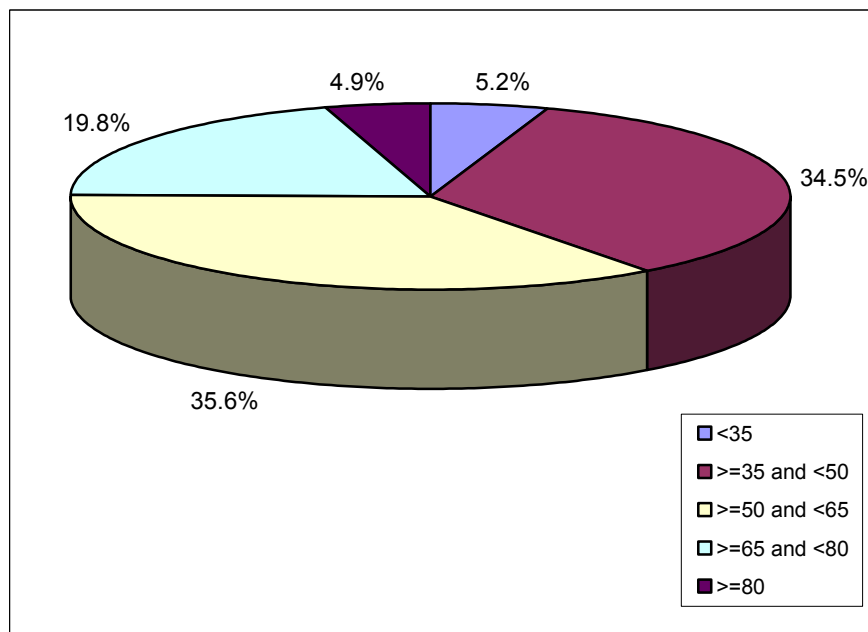
#### Psychosis Patient Population, by Psychosis Category, FY01



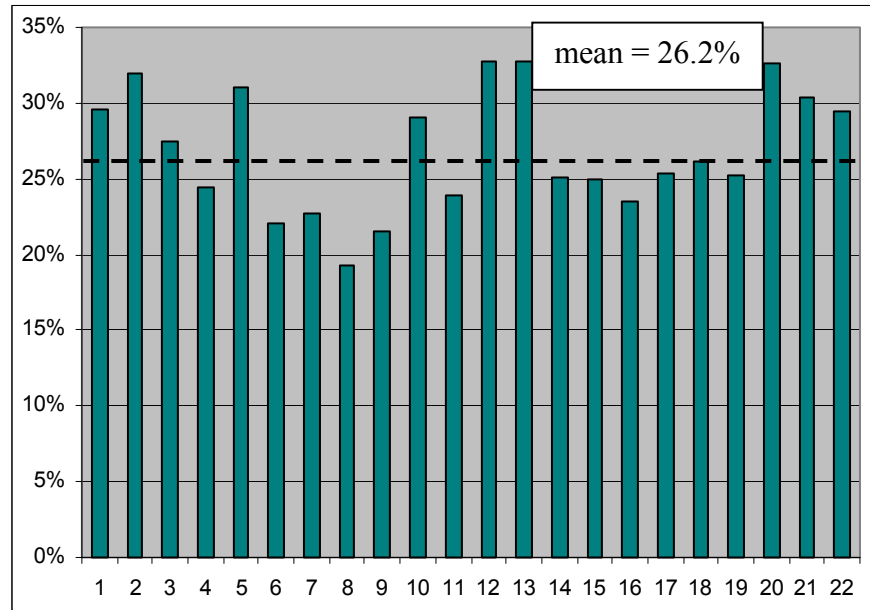
### Ratio of Schizophrenia Patients to Bipolar Disorder Patients, by VISN



### Psychosis Patient Populations, by Age, FY01



## Percentage of Patients with Psychosis with Concurrent Substance Abuse/Dependence, by VISN



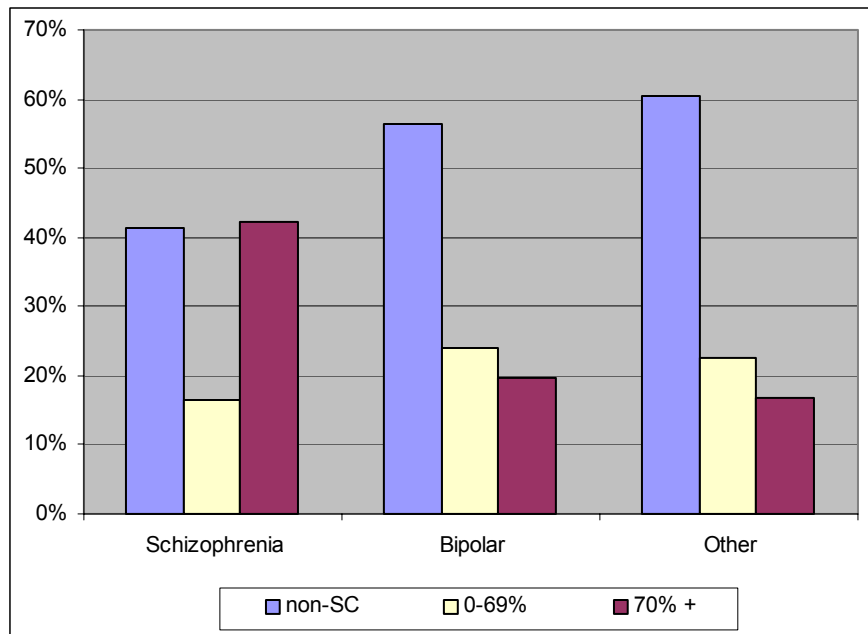
### Patient Characteristics

This domain gives a more detailed picture of veterans with psychosis who received care in the VHA, including the patients' history of VA utilization (years since first use and years with inpatient and outpatient use), average inpatient and outpatient GAF scores, as well as the percentage of appropriate patients for whom GAFs were reported, mortality rates (crude and age-and-gender-adjusted), level of service connection, VERA patient class and eligibility category, extent of substance abuse diagnoses, homelessness and the distances to medical centers and service sites.

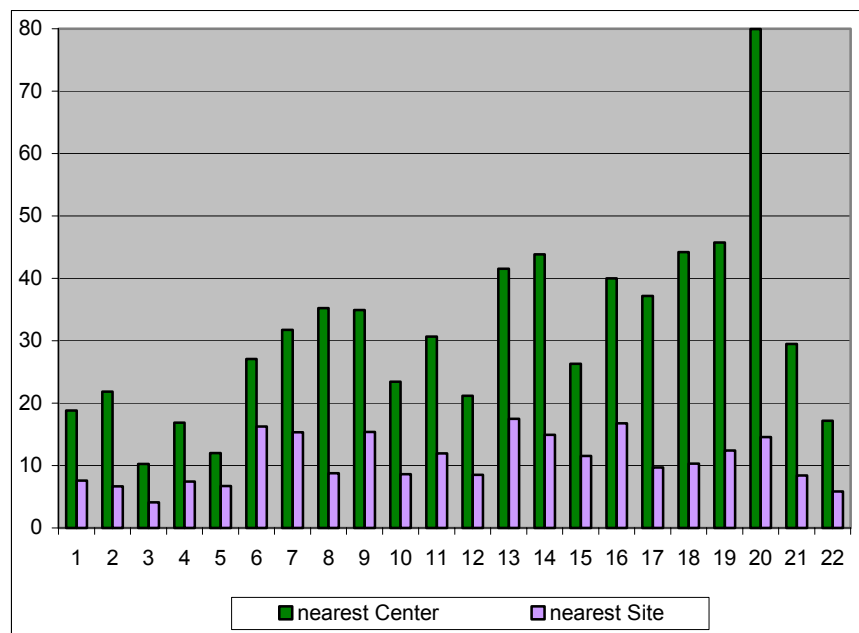
#### Key findings:

- Almost 59% of patients with inpatient care did not have a mandated (Department of Veterans Affairs, 1997) GAF score reported.
- Over 85% of patients with outpatient care had a GAF score reported.
- There was substantial variability across VISNs in the percentage of unreported inpatient GAF scores (38% to 75%).
- The average 'lowest inpatient' GAF score for Registry patients was 38.3, with a mean outpatient score of 50.6, both indicating severe impairment in global functioning.
- Almost 13% of patients had an indication of homelessness, with the rates for those with bipolar disorder higher than those with schizophrenia (15% vs. 12.4%).
- Forty-two percent of patients with schizophrenia had service connection of at least 70%, the cut off for long term care provisions mandated in the Millennium Bill.
- Over the last decade, National Psychosis Registry patients had their first episode of care an average of 7.6 years ago, indicating patients of long standing.
- Using distance from care as a proxy for access, the average number of miles a patient lives from a medical center was 30.7 and 10.7 from any VA service site.

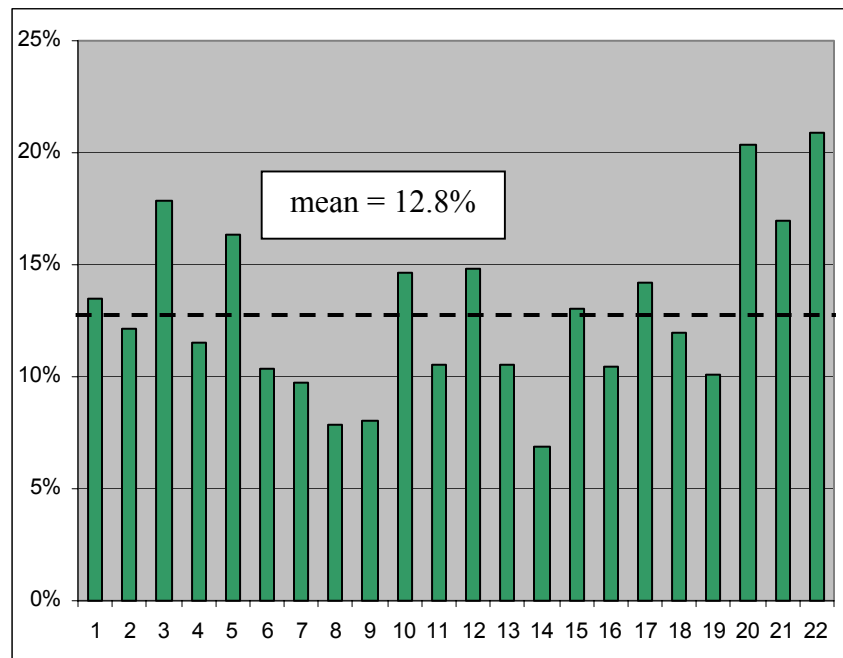
## Service Connection, Among Patients with Psychosis, by Psychosis Category, FY01



## Straight-Line Miles to Nearest VAMC and Outpatient Site



## Percentage of Patients with Psychoses who were Homeless in FY01, by VISN



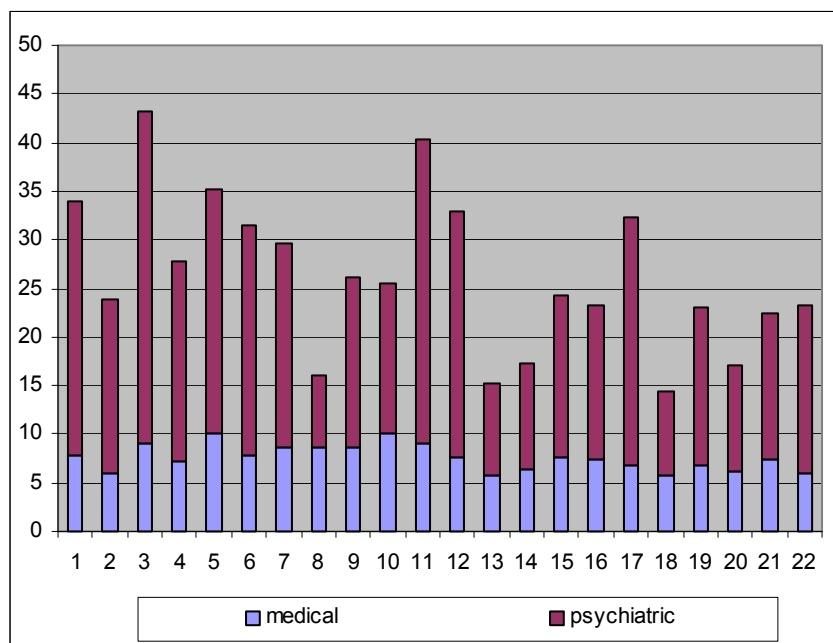
## Utilization

It is imperative that the VA track the use of services by patients with psychotic disorders. We attempt to fulfill this need by reporting extensively on both 24-hour institutional care (hospital, nursing home, domiciliary, and residential rehabilitation) and outpatient care.

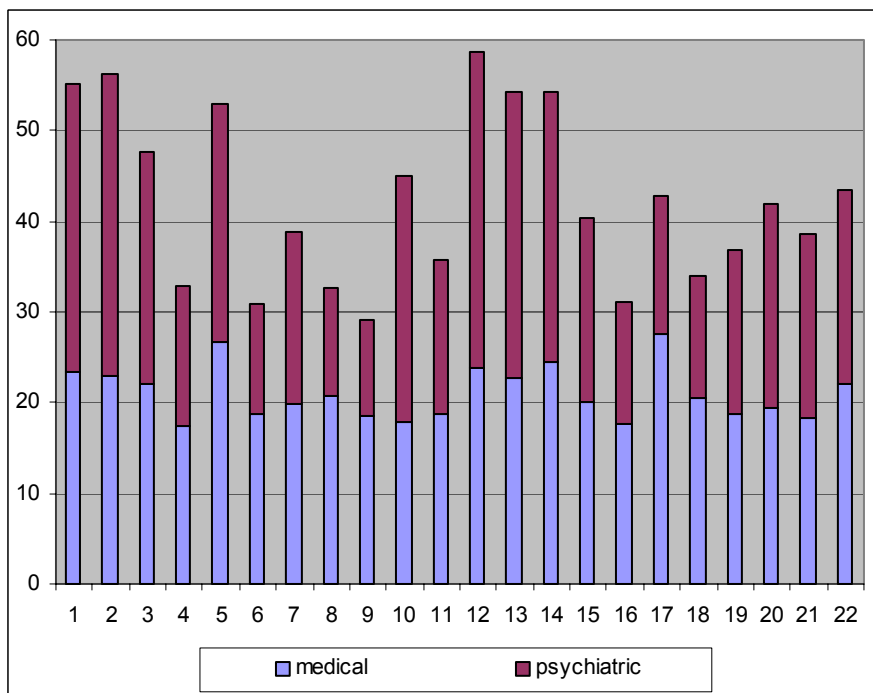
### Key findings:

- Substantial variability across VISNs observed for numerous measures
  - percentage of patients with inpatient psychiatric care, from a high of 24.7 to a low of 12.8;
  - percentage of patients with an inpatient psychiatric stay of over 150 days, from 5.8 to 0.0;
  - cumulative days of inpatient psychiatric care, from a low of 7.35 to a high of 34.13;
  - percentage of patients with at least one primary care stop, from 79.9 to 58.5;
  - average number of case management clinic stops, from 4.4 to 0.04; and
  - average number of overall clinic stops, from 29.2 to 58.7.
- Overall low use of case management with average of only 1.37 stops per patients.
- 18.7% of Registry patients received inpatient psychiatric care, with an average length of stay of averaging 20.29 days.
- 9.1% of patients received either some residential rehabilitation, domiciliary/vocational or nursing home care.

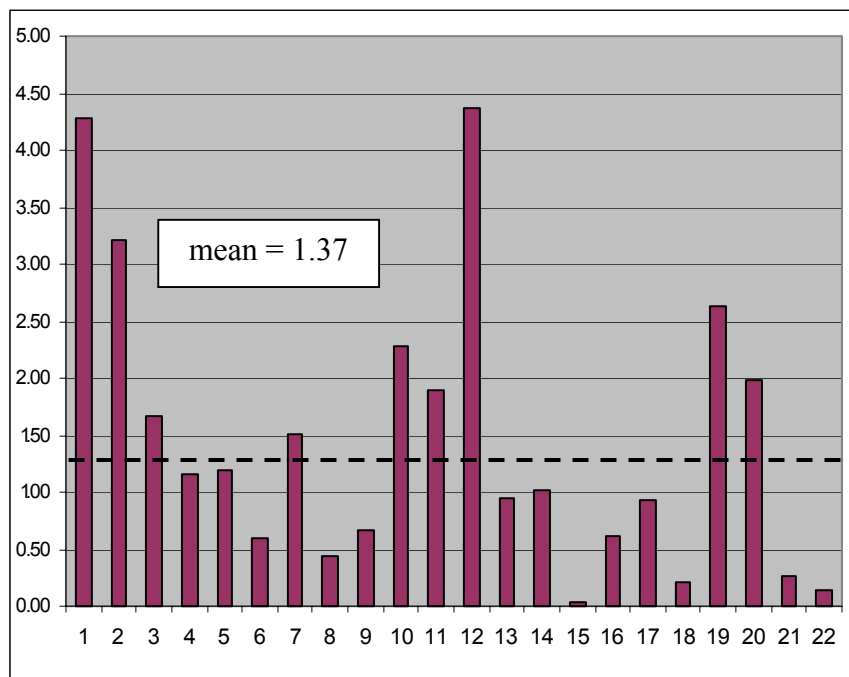
# **Mean Inpatient Days of Stay, Among Patients with Psychoses who were Hospitalized in FY01, by VISN**



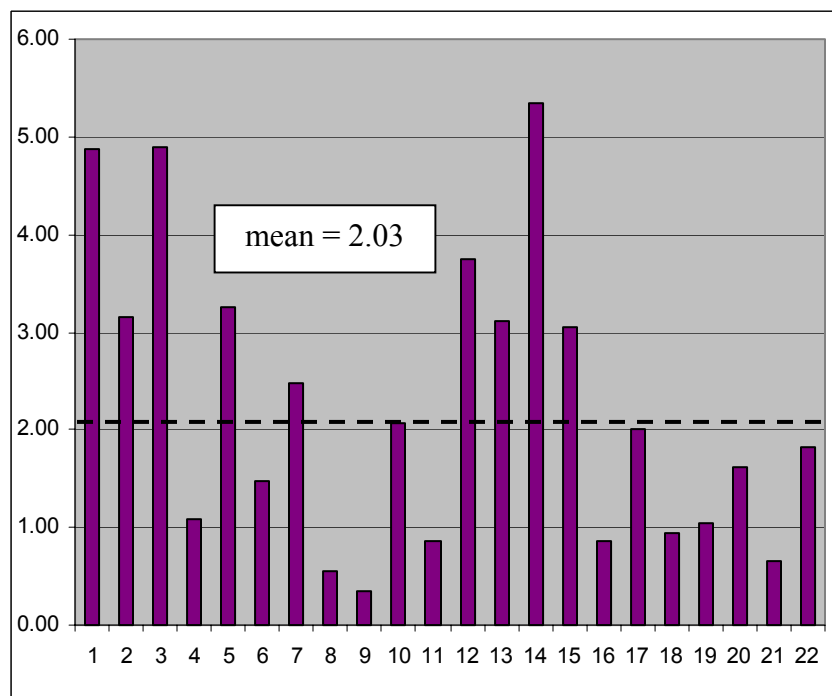
# **Mean Outpatient Clinic Stops Among Patients with Psychoses with some Outpatient Use, by Clinic Category, FY01**



### Mean Psychiatric Case Management Clinic Stops among Patients with Psychoses with some Outpatients Use, FY01



### Mean Psychiatric Vocational Clinic Stops, Among Patients with Psychoses with some Outpatient Use, FY01



## Pharmacy Utilization

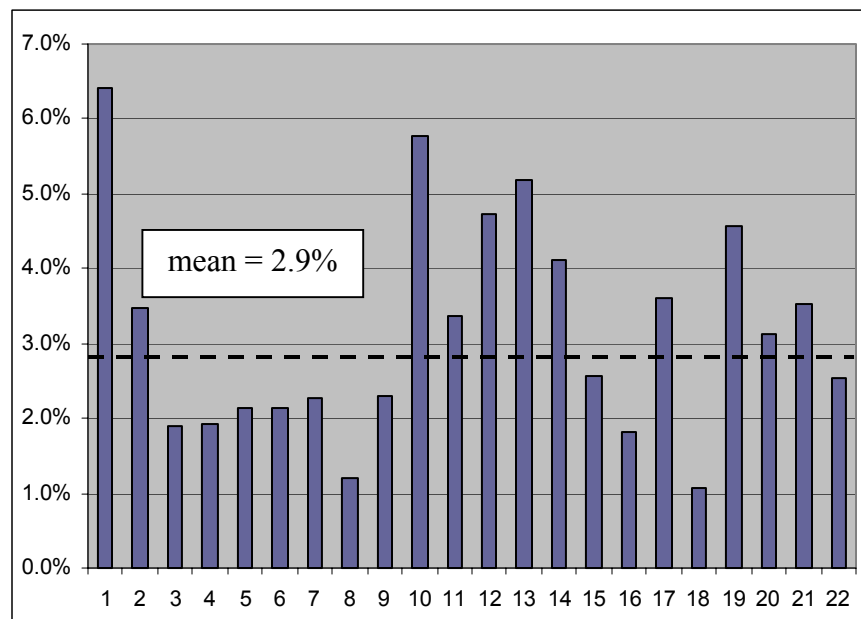
Antipsychotic medications are an essential component of the treatment of patients with schizophrenia. We assessed the use of antipsychotic medication among patients with schizophrenia, using a variety of measures, including: the percentage of patients receiving any oral antipsychotic medication, the percent receiving atypical antipsychotic agents, receiving clozapine, and receiving combination antipsychotic treatment (two or more antipsychotics concurrently).

In addition, we calculated a measure of the continuity of antipsychotic treatment, the Medication Possession Ratio (MPR). The MPR is the ratio of the number of days supply of medication that a patient *has received* divided by the number of days supply that they *should have received* had they been taking medication as prescribed. (An MPR of 1 or 100% indicates that the patient has received all the medication needed to take their antipsychotic medication as prescribed. An MPR of 0.5 or 50% indicates that the patient has received medication sufficient to take only half of the prescribed dose.)

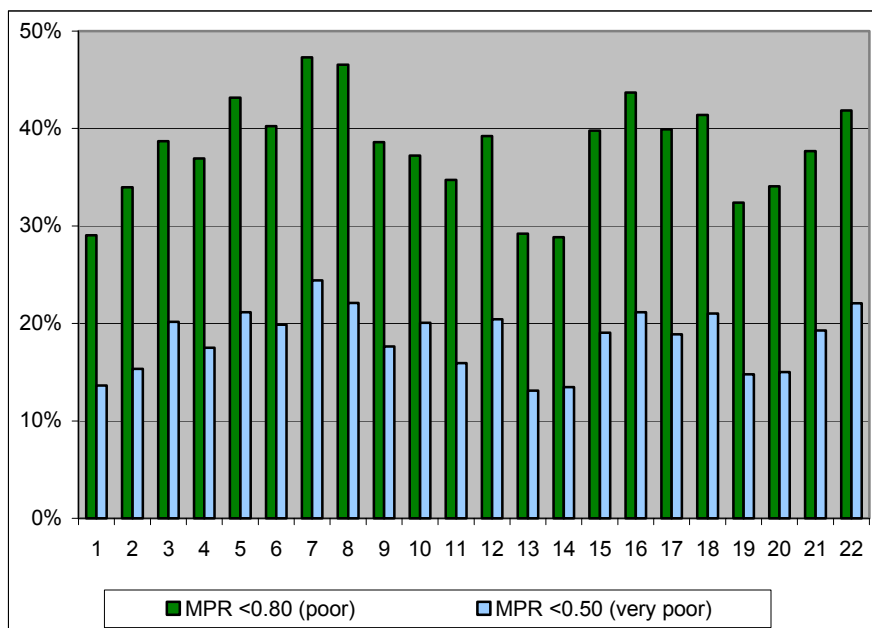
Key findings:

- Substantial variability across VISNs was observed for use of Clozapine for patients with schizophrenia, ranging from 1.1 to 6.4 percent.
- Nationwide, only 2.9% of veterans with schizophrenia were prescribed Clozapine
- 77.4% of patients with schizophrenia on antipsychotic medications received atypical agents in FY01.
- Among patients with schizophrenia who received one type of antipsychotics, 39.4% had MPRs less than 80%.
- There was concurrent use of two antipsychotic medications among 13.7% of patients with schizophrenia, despite little systematic research demonstrating efficacy of this treatment approach

### Receipt Of Clozapine among Patients with Schizophrenia who received some Antipsychotic Medication, Percentage, by VISN



## Antipsychotic Medication Adherence among Patients with Schizophrenia who Received Antipsychotics, by VISN



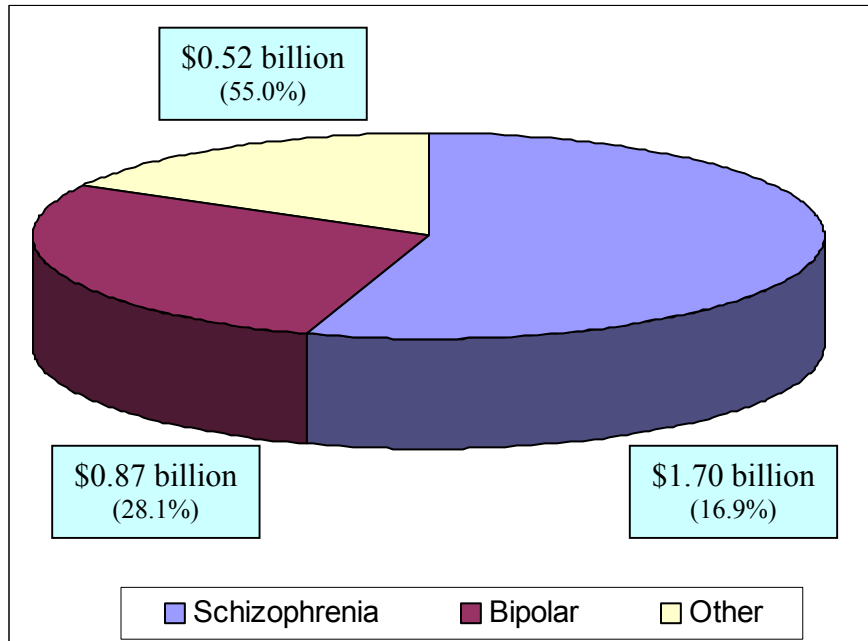
### Cost

To provide the broadest range of information, we report on total costs for NPR patients, as well as the relative costs of psychiatric and medical care and of inpatient and outpatient care. We also report on 15 specific cost centers.

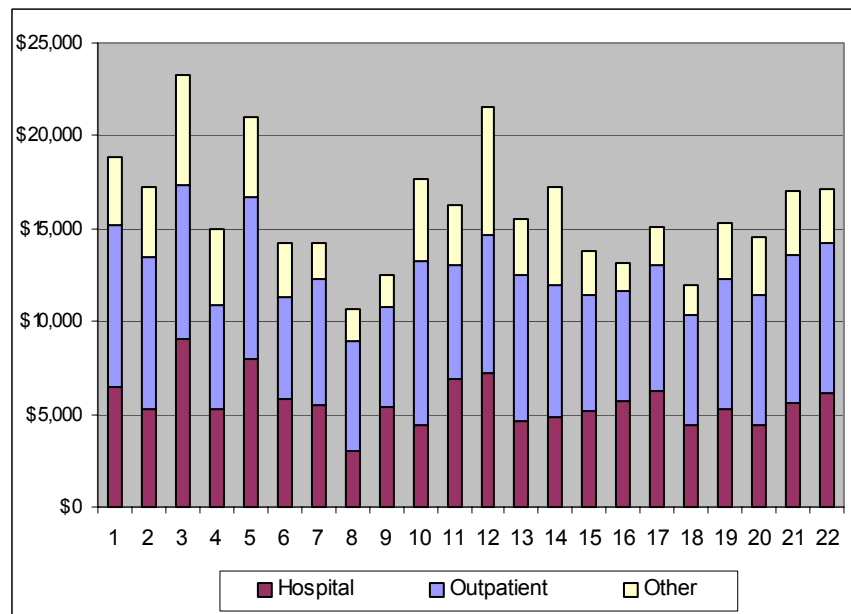
Key findings:

- Over \$3B was spent in FY01 on this population for medical and psychiatric care, almost 15% of the VA's budget for health care.
- 34.6% of all costs for these patients were for psychiatric care.
- \$15,673 was spent per patient in FY01, 44% for outpatient, 36% for inpatient, 20% for non-VA and long-term care.
- Substantial variability across VISNs was observed for total, inpatient and outpatient costs per patient.
- When mean per patient costs are divided among different cost centers, the top three are psychiatry (\$3,514), outpatient psychiatry (\$1,912) and medical (\$1,641).
- 1.6% of all costs were incurred outside of the patient's home VISN, and 4.2% were outside of the home station.

### FY01 Costs, by Diagnosis



### Average Cost per Patient, FY01, by VISN



## **Future Directions**

The annual “Care in the VHA for Veterans with Psychosis” report was designed to present a comprehensive summary of all treatment provided to seriously mentally ill veterans. It provides information essential to inform decision makers in VHA as they continue to struggle to implement practice guidelines, assure compliance with existing mandates and to optimize the efficient delivery of high quality care.

This annual National Psychosis Registry Report is intended to evolve over time to encompass and respond to the needs of its readers. We hope to have a web based data warehouse for next year’s data to allow individual readers to access the information most helpful for them. We will also be providing longitudinal comparisons on the VISN level as well as the national level.

As always, SMITREC welcomes feedback and suggestions regarding ways to improve the presentation of data, the interpretation of findings, or the incorporation of additional variables of interest.

## Background

This report focuses on the most vulnerable of those patients with mental illness, those with psychosis. In addition to the chronicity, medication side effects and diminished function, numerous studies indicate that patients with mental illness, especially psychosis, have a greater risk of premature death than the general population (Dembling, Chen, & Vachon, 1999; Black, 1998). There is also evidence that patients with psychosis have higher rates of medical comorbidities (Dalmau, Bergman, & Brismar, 1997) and that there are large numbers who do not receive adequate medical care (Brugha, Wing, & Smith, 1989; Maricle, Hoffman, Bloom, Faulkner, & Keepers, 1987). Caring for this vulnerable population represents a major and costly responsibility for the VHA. In FY01, VHA provided medical and psychiatric care for 196,675 patients with psychosis, at a cost of \$3,082,525,805.

Many characteristics of the population of veterans with psychosis and of the services provided them by VHA are analyzed at the national level, by VISN and for each station. These include descriptive characteristics such as diagnosis, demographics, functional status, mortality rates, VERA patient class and distance from closest VA facility.

Along with health care systems nationwide, the VHA has been rapidly moving from an inpatient to an outpatient model for the provision of general and mental health services. This has led to a greater reliance on community-based programs, intensive case management and care management techniques (VHA, 1998). In order to ensure that these services would in fact provide adequate care for vulnerable patients, Congress passed Public Law 104-262, the Veterans Healthcare Eligibility Reform Act of 1996. It requires that VA "...maintain its capacity to provide for the specialized treatment and rehabilitation needs of disabled veterans... within distinct programs or facilities...that are dedicated to the specialized needs of those veterans in a manner that (A) affords those veterans reasonable access to care and services ...and (B) ensures that overall capacity...is not reduced below the capacity...nationwide...as of October, 1996."

This third annual "Care in the VHA for Veterans with Psychosis" report provides information to the VHA and its VISNs, to assist in monitoring the maintenance of the capacity to treat its SMI population. The VHA's patients with psychosis, the services provided them and the costs associated with these services are described nationally, by VISN and by station, allowing for assessment of similarities and differences, along with trends over time. Of special interest are the various ways in which networks organize their services and direct their resources.

The use of antipsychotic medications is described in a separate chapter. The reporting of pharmacy data provides VHA with information on the use of typical versus atypical antipsychotic medications, with special attention paid to Clozapine usage and to what percentage of patients with psychosis are receiving any appropriate medications in the amounts required to adequately treat their conditions.

"Care for Veterans with Psychosis in the VHA, FY01" paints a timely picture of the state of care for patients with psychosis within the VHA. As differences in treatment and spending priorities emerge, the possible impact of these differences on patient well-being will be explored, supporting efforts to provide the highest quality of treatment possible.

## **SMITREC**

Public Law 101-507 provided additional financial resources to enhance the care of seriously mentally ill veterans who had been institutionalized in VA medical centers. In compliance with this legislation, the VHA developed the Long Term Mental Health Enhancement Program (now SMITREC) to: 1) support the discharge and maintenance in the community of veterans with serious mental illnesses and a history of institutional dependence; 2) decrease excess mortality; 3) improve recruitment, morale, and retention of clinical care providers for the seriously mentally ill, and 4) develop the capacity of clinicians and managers to identify, conceptualize, and prepare plans to improve and enhance the long-term care of veterans with serious mental illnesses.

Central program enhancement funds were apportioned by Congress to establish new specialized programs for veterans with serious and persistent mental illnesses to facilities traditionally most involved in the care of these patients. SMITREC was established as part of this funding mechanism to monitor and evaluate the transition of care for the seriously mentally ill and to provide policy makers and clinical administrators with data that would assist in the development of alternatives to long-term institutional care. With the reorganization of the VHA and a shift of emphasis from inpatient to outpatient care, SMITREC's evaluation and monitoring role currently includes the impact of deinstitutionalization on access to care, course of treatment, cost of care, medication prescription practices, and outcomes (e.g. quality of life, patient satisfaction, functioning, symptomatology, loss to VA care, homelessness).

### **The Psychosis Registry**

Following the recommendation of the Committee on Care of Severely Chronically Mentally Ill Veterans, the Serious Mental Illness Treatment Research and Evaluation Center (SMITREC) developed the Psychosis Registry in 1998. The Psychosis Registry is an ongoing registry of all veterans diagnosed with psychosis (schizophrenia other than latent, schizoaffective disorder, bipolar disorders, and other non-organic psychoses) who have received VHA services from 1988 to the present. Thus, the registry consists of records for all patients who received a diagnosis of psychosis during inpatient stays for FY88-FY01 and during outpatient visits for FY97-00.

The Psychosis Registry has been and will be used for a number of different analyses. In late 1999, SMITREC presented a white paper to the VA titled "Veterans with Psychosis in the VHA FY89-FY98: Access to Care, Loss to Follow-up, and Mortality" which studied trends in health care utilization, deinstitutionalization, capacity, mortality, and other issues related to the care of the seriously mentally ill veterans in the VHA. Current and upcoming areas of work, and recent publications, include: "Gender differences in the diagnosis and treatment of serious mental illnesses in the VHA: Special issues for women veterans", "Health care utilization among patients with schizophrenia and diabetes", "Major Psychotic Disorders as Predictors of Outcome in Surgical Patients", "Determinants of Treatment Retention for Veterans with Psychoses", "Excess Mortality Among Veterans with Serious Mental Illness", "Pharmacy data identifies poorly adherent patients at increased risk for admission", and "Poor Antipsychotic Adherence Among Patients with Schizophrenia: Medication and Patient Factors" (Valenstein et al., 2002; Valenstein et al., submitted for publication).

## **Report Overview and Structure**

Registry patients were identified using data obtained from the VA Patient Treatment File (PTF), census data files, and Outpatient Care Files (OPC) located at the Austin Automation Center in Texas and were included provided they had at least one qualifying psychosis diagnosis in the FY01 inpatient or outpatient data. Qualifying diagnoses included schizophrenia disorders other than latent, schizoaffective disorder, bipolar disorders, and other non-organic psychoses. (See Appendix A for specific ICD-9 codes included.)

Because the treatment needs and disease course differ substantially among diagnoses, variables are reported for each group separately and collectively. Patients often receive more than one diagnosis over time or even during one episode of care. Patients were therefore “assigned” to the diagnosis which appeared in the greatest number of episodes of care during FY01. Ties were resolved using a rank ordering of 1) schizophrenia, 2) bipolar disorder and 3) other psychosis.

The VA Site Tracking (VAST) system was used to identify parent station groupings among VISNs and each patient was assigned to a station bases on where they had the most inpatient and outpatient utilization in FY01. This algorithm assessed one inpatient day of stay as equivalent to two outpatient visit days in order to account for the possibility of one inpatient stay unreasonably affecting the outcome.

The Report consists of five chapters, each focusing on a specific domain of interest to the VA. These domains include demographics, patient characteristics, utilization, use of anti-psychotic medication and cost. Each chapter includes discussion of the domain, global tables offering an overview of the entire VA and tables comparing the same variables across VISNs. Our web site (<http://www.va.gov/annarbor-hsrd/>) presents the same variables for each station, organized by VISN.

## **Chapter 1**

### **Demographics**

#### **Background**

In order to tailor current services and to follow trends for more targeted planning efforts, it is essential for the VA to have information on the characteristics of its patients with psychoses.

##### **Age**

Patient age is often pivotal to understanding their psychiatric illness, as well as being linked to medical comorbidity and, thereby, health care utilization. In this report, patient age was determined based on the recorded date of birth and was calculated as of the first day of FY01, 10/1/00.

##### **Gender**

According to the Defense Almanac, as of 4/30/01, there were 199,650 women in the military, comprising approximately 14% percent of the total U.S. Armed Forces. This year, women comprise 7% the patients in the Registry.

There is evidence of differences between the genders in rates of SMI, age on onset, proportion of ‘positive’ symptoms, outcomes, admission rates, and social adaptation (Miller & Burns, 1995; Gur, Petty, Turetsky, & Gur, 1996; Angermeyer, Kuhn, & Goldstein, 1990). These differences must be accounted for, especially as the proportion of women in the veteran population grows.

##### **Race**

VHA is committed to ensuring appropriate treatment for all beneficiaries. Monitoring the treatment of different racial groups can aid in this goal. Numerous studies have noted differences in the diagnosis and treatment of SMI based on race. Specifically, it has been found that despite no compelling evidence that African Americans suffer from schizophrenia at higher rates, they are often diagnosed with the illness with greater frequency. Minorities tend to suffer the burden of mental illness at a higher rate (particularly schizophrenia), yet have different diagnostic and treatment rates than Caucasians (Flaskerud & Hu, 1992; Ineichen, 1991; Neighbors, Jackson, Campbell, & Williams, 1989; Goater et al., 1999; Bhugra et al., 1997).

The race of each person was determined based on their first instance of utilization in FY01. If this observation was “unknown”, successive instances were examined until a definitive designation was obtained.

##### **Marital Status**

Many VA studies note the high proportion of SMI veterans that are either ‘never married’ or ‘divorced/separated’. This data sheds light on the personal circumstances and social supports of this population.

Marital status was identified as the first non-missing report from PTF data, if available, or from the OPC file.

## Findings

- In FY01, VHA provided care to 196,675 patients with psychosis, of whom 98,739 had schizophrenia as their main psychosis and 65,556 had bipolar disorder.
- 1.9% more patients had a psychosis diagnosis in FY01 than in FY00, and 2.7% more than in FY99.
- The number of patients with Schizophrenia dropped 3.5% from FY01 and 5.6% since FY99.
- The Bipolar Disorder population rose 5.8% from FY01 and 9.4% from FY99.
- The Other Psychosis category rose substantially in both years, with a 12.8% rise from FY00 and a 19.6% rise from FY99.
- Approximately 26% of veterans diagnosed with schizophrenia are African American, while, as of 2000, only 20% of the armed services were African American.
- Women comprise 7.1% of patients with psychosis diagnoses in FY01.
- Among patients with bipolar disorder, the percentage who are women was over twice as high as that among patients schizophrenia.
- The mean age of all patients was 54, with almost 25% over the age of 65.
- Almost twice as many veterans with schizophrenia as those with bipolar disorder have never been married (41.8% vs. 21.4%).
- Over 26% of patients had a concurrent substance abuse diagnosis.
- The ratio of patients with schizophrenia to those with bipolar disorder ranges from .85 to 2.5 across VISNs. It is unclear to what extent this is due to uneven distribution of diagnoses versus differing practice/diagnosis patterns.

## Tables

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**Table 1A: FY01 Patient w/ Psychosis, Demographics, by Diagnosis Grouping**

	All	Schizophrenia	Bipolar	Other
Entire Population	196675	98739	65556	32380
<u>Age, %</u>	100.0%	50.2%	33.3%	16.5%
<35	5.2%	4.0%	8.1%	3.1%
>=35 and <50	34.5%	36.8%	38.9%	18.6%
>=50 and <65	35.6%	38.7%	36.5%	24.3%
>=65 and <80	19.8%	17.8%	14.7%	36.4%
>=80	4.9%	2.7%	1.8%	17.7%
Total	100.0%	100.0%	100.0%	100.0%
mean age	54.97	54.02	51.74	64.42
SD	13.76	12.33	12.69	15.71
<u>Gender</u>				
Male, %	92.9%	94.9%	88.7%	95.6%
Female, %	7.1%	5.1%	11.3%	4.4%
Total	100.0%	100.0%	100.0%	100.0%
<u>Race / Ethnicity, %</u>				
Hispanic white	5.4%	7.2%	3.1%	4.5%
Hispanic black	0.4%	0.6%	0.3%	0.4%
American Indian	0.3%	0.3%	0.3%	0.4%
Black	20.3%	26.9%	11.0%	19.5%
Asian	0.6%	0.8%	0.3%	0.7%
White	60.7%	55.1%	70.5%	57.6%
Race unknown	12.2%	9.1%	14.6%	16.9%
Total	100.0%	100.0%	100.0%	100.0%
<u>Marital Status</u>				
Never married	30.9%	41.8%	21.4%	17.3%
Married	32.9%	25.5%	37.1%	46.6%
Divorced/Separated	31.4%	29.2%	37.8%	25.4%
Widowed	4.8%	3.6%	3.7%	10.7%
Total	100.0%	100.0%	100.0%	100.0%

**Table 1B: FY01 All Patients, Demographics, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
All Patients	196675	10732	5783	9744	11261	5443	8299	11698	18161	8181	8666	8555
<u>Age, %</u>												
<35	5.2%	4.5%	5.2%	3.6%	4.8%	5.2%	5.6%	5.4%	3.9%	5.4%	5.0%	5.2%
>=35 and <50	34.5%	31.3%	34.4%	30.1%	32.3%	36.8%	36.1%	38.6%	30.0%	33.4%	37.4%	36.0%
>=50 and <65	35.6%	36.7%	34.5%	36.6%	36.1%	33.2%	32.8%	33.8%	37.2%	34.6%	35.2%	37.0%
>=65 and <80	19.8%	22.3%	20.4%	24.0%	22.3%	19.5%	20.3%	18.2%	23.0%	21.7%	18.3%	18.3%
>=80	4.9%	5.2%	5.5%	5.6%	4.4%	5.3%	5.3%	4.0%	5.9%	4.8%	4.1%	3.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
mean age	54.97	56.04	55.27	56.98	55.59	54.73	54.90	53.86	56.73	55.37	54.20	54.00
SD	13.76	13.79	14.15	13.78	13.67	14.08	14.17	13.43	13.77	14.03	13.37	13.07
<u>Gender</u>												
Male, %	92.9%	93.8%	93.6%	95.2%	93.7%	91.5%	91.9%	91.2%	93.5%	93.5%	93.6%	93.7%
Female, %	7.1%	6.2%	6.4%	4.8%	6.3%	8.5%	8.1%	8.8%	6.5%	6.5%	6.4%	6.3%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Race / Ethnicity, %</u>												
Hispanic white	5.4%	1.5%	1.3%	7.1%	1.0%	0.9%	0.6%	0.5%	28.5%	0.4%	0.7%	0.6%
Hispanic black	0.4%	0.4%	0.3%	1.6%	0.2%	0.3%	0.2%	0.1%	2.1%	0.1%	0.2%	0.1%
American indian	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.3%	0.1%	0.1%	0.1%	0.1%	0.2%
Black	20.3%	7.3%	11.9%	25.5%	20.7%	44.1%	34.1%	41.3%	10.8%	20.0%	24.1%	21.8%
Asian	0.6%	0.2%	0.0%	0.3%	0.1%	0.1%	0.2%	0.1%	0.1%	0.0%	0.1%	0.0%
White	60.7%	79.9%	75.9%	52.7%	65.9%	43.0%	52.0%	45.6%	45.5%	70.7%	63.2%	67.3%
Race unknown	12.2%	10.6%	10.3%	12.7%	12.0%	11.5%	12.6%	12.2%	12.8%	8.7%	11.7%	10.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Marital Status</u>												
Never married	30.9%	36.7%	34.5%	47.0%	37.5%	35.8%	27.4%	26.6%	20.1%	24.1%	31.3%	35.5%
Married	32.9%	29.0%	31.0%	26.2%	29.5%	26.5%	38.5%	36.4%	47.0%	39.5%	29.7%	26.5%
Divorced/Separated	31.4%	29.2%	29.2%	21.6%	27.9%	31.2%	29.7%	32.1%	28.2%	31.8%	34.3%	33.9%
Widowed	4.8%	5.1%	5.2%	5.2%	5.1%	6.5%	4.4%	5.0%	4.7%	4.6%	4.7%	4.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

**Table 1B: FY01 All Patients, Demographics, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
All Patients	196675	8358	4712	2939	8800	15201	8247	7428	5508	8348	8754	11857
<u>Age, %</u>												
<35	5.2%	5.1%	4.8%	5.2%	5.1%	5.8%	5.5%	5.9%	6.5%	7.0%	5.6%	6.3%
>=35 and <50	34.5%	36.7%	33.9%	34.3%	35.0%	34.6%	35.8%	32.9%	36.0%	37.9%	34.4%	36.6%
>=50 and <65	35.6%	35.1%	36.3%	36.5%	33.7%	34.7%	33.8%	35.2%	36.7%	37.7%	38.3%	36.0%
>=65 and <80	19.8%	18.6%	19.9%	20.4%	20.9%	19.8%	19.1%	19.8%	16.8%	14.3%	16.9%	16.8%
>=80	4.9%	4.5%	4.9%	3.6%	5.3%	5.0%	5.8%	6.2%	4.0%	3.2%	4.8%	4.3%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
mean age	54.97	54.41	55.16	54.58	55.23	55.00	54.92	55.45	53.67	52.59	54.38	53.82
SD	13.76	13.48	13.71	13.41	14.10	13.92	14.15	14.34	13.45	12.83	13.43	13.53
<u>Gender</u>												
Male, %	92.9%	93.8%	93.8%	93.0%	93.6%	92.9%	91.9%	90.8%	91.7%	91.7%	92.2%	92.4%
Female, %	7.1%	6.2%	6.2%	7.0%	6.4%	7.1%	8.1%	9.2%	8.3%	8.3%	7.8%	7.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Race / Ethnicity, %</u>												
Hispanic white	5.4%	1.9%	0.6%	0.8%	1.0%	1.1%	12.7%	12.0%	6.2%	1.1%	4.7%	7.0%
Hispanic black	0.4%	0.3%	0.1%	0.1%	0.0%	0.1%	0.2%	0.3%	0.1%	0.3%	0.2%	0.4%
American Indian	0.3%	0.2%	1.5%	0.3%	0.3%	0.4%	0.2%	1.1%	0.6%	1.0%	0.6%	0.2%
Black	20.3%	28.7%	4.8%	6.9%	18.3%	32.6%	20.6%	6.5%	6.0%	6.8%	14.1%	20.3%
Asian	0.6%	0.1%	0.1%	0.0%	0.1%	0.1%	0.2%	0.3%	0.4%	1.1%	8.0%	1.7%
White	60.7%	57.9%	75.8%	81.3%	67.4%	55.3%	58.1%	64.4%	78.2%	75.3%	57.2%	52.5%
Race unknown	12.2%	10.9%	17.2%	10.6%	12.9%	10.3%	8.0%	15.5%	8.6%	14.4%	15.2%	17.8%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Marital Status</u>												
Never married	30.9%	39.3%	32.3%	31.3%	26.5%	25.4%	24.0%	22.6%	26.2%	27.5%	37.4%	40.1%
Married	32.9%	24.3%	29.8%	30.6%	34.2%	37.8%	36.5%	37.3%	34.3%	30.1%	27.0%	23.3%
Divorced/Separated	31.4%	31.9%	33.3%	34.1%	34.2%	31.9%	34.4%	34.6%	35.2%	38.7%	31.2%	32.3%
Widowed	4.8%	4.4%	4.5%	4.0%	5.2%	4.9%	5.1%	5.4%	4.2%	3.7%	4.4%	4.3%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

**Table 1C: FY01 Patients w/ Schizophrenia, Demographics, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Schizophrenia	98739	5109	2830	6107	6385	2983	4167	6705	9526	3636	4783	4924
<u>Age, %</u>												
<35	4.0%	3.5%	3.8%	3.1%	3.6%	4.1%	4.2%	4.7%	3.2%	3.8%	4.0%	3.7%
>=35 and <50	36.8%	32.3%	33.6%	31.3%	32.7%	37.1%	38.9%	42.6%	31.6%	36.9%	39.5%	37.3%
>=50 and <65	38.7%	39.5%	36.1%	38.9%	39.5%	37.8%	37.5%	34.6%	41.4%	37.5%	38.2%	40.0%
>=65 and <80	17.8%	21.2%	22.9%	23.0%	21.5%	18.1%	16.6%	15.9%	20.5%	19.0%	15.8%	16.6%
>=80	2.7%	3.5%	3.6%	3.7%	2.6%	2.8%	2.7%	2.1%	3.3%	2.9%	2.4%	2.3%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
mean age	54.02	55.52	55.77	56.19	55.25	54.01	53.53	52.61	55.43	54.41	53.27	53.64
SD	12.33	12.72	13.19	12.89	12.48	12.51	12.34	12.14	12.29	12.60	12.06	11.91
<u>Gender</u>												
Male, %	94.9%	95.8%	95.9%	96.2%	95.2%	93.2%	94.4%	92.9%	95.9%	95.6%	94.6%	95.5%
Female, %	5.1%	4.2%	4.1%	3.8%	4.8%	6.8%	5.6%	7.1%	4.1%	4.4%	5.4%	4.5%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Race / Ethnicity, %</u>												
Hispanic white	7.2%	1.8%	1.6%	7.6%	1.3%	0.8%	0.5%	0.5%	42.5%	0.3%	1.0%	0.7%
Hispanic black	0.6%	0.5%	0.3%	1.7%	0.2%	0.3%	0.0%	0.1%	3.3%	0.1%	0.2%	0.1%
American Indian	0.3%	0.3%	0.1%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.1%	0.2%
Black	26.9%	9.7%	14.8%	28.8%	26.4%	51.1%	44.3%	52.7%	13.3%	28.1%	31.1%	27.5%
Asian	0.8%	0.3%	0.0%	0.4%	0.1%	0.2%	0.2%	0.1%	0.1%	0.0%	0.1%	0.1%
White	55.1%	80.2%	74.9%	50.5%	62.4%	38.6%	45.4%	37.3%	33.0%	66.6%	60.2%	63.9%
Race unknown	9.1%	7.3%	8.2%	10.9%	9.5%	9.0%	9.3%	9.1%	7.8%	4.9%	7.3%	7.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Marital Status</u>												
Never married	41.8%	51.2%	47.1%	55.7%	48.1%	44.1%	38.8%	34.6%	24.4%	36.7%	42.9%	46.4%
Married	25.5%	20.1%	22.6%	20.4%	22.1%	22.0%	28.9%	29.3%	46.9%	28.9%	20.5%	19.3%
Divorced/Separated	29.2%	25.2%	25.9%	19.8%	25.7%	28.7%	29.3%	32.2%	25.2%	31.2%	33.2%	31.2%
Widowed	3.6%	3.5%	4.3%	4.1%	4.1%	5.1%	3.0%	3.9%	3.4%	3.2%	3.4%	3.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

**Table 1C: FY01 Patients w/ Schizophrenia, Demographics, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Schizophrenia	98739	3976	2094	1478	3893	7780	3754	2829	2165	3404	4396	5815
<u>Age, %</u>												
<35	4.0%	3.8%	3.9%	4.3%	4.0%	4.6%	4.0%	4.6%	5.3%	5.3%	3.9%	5.2%
>=35 and <50	36.8%	38.8%	35.1%	35.3%	39.4%	39.5%	38.9%	39.3%	39.2%	39.6%	37.0%	39.3%
>=50 and <65	38.7%	38.5%	39.2%	39.4%	37.5%	38.0%	38.1%	39.4%	39.4%	39.6%	41.1%	38.5%
>=65 and <80	17.8%	15.8%	18.2%	18.5%	17.1%	15.8%	16.3%	14.3%	14.4%	13.4%	15.5%	14.9%
>=80	2.7%	3.1%	3.6%	2.5%	2.1%	2.1%	2.7%	2.3%	1.7%	2.1%	2.5%	2.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
mean age	54.02	53.61	54.54	54.15	53.43	53.19	53.57	52.86	52.60	52.50	53.57	52.74
SD	12.33	12.15	12.66	12.45	12.06	12.00	12.26	11.90	11.74	11.72	11.97	12.09
<u>Gender</u>												
Male, %	94.9%	94.6%	95.8%	93.8%	94.8%	94.9%	94.9%	94.0%	94.2%	94.7%	94.7%	94.3%
Female, %	5.1%	5.4%	4.2%	6.2%	5.2%	5.1%	5.1%	6.0%	5.8%	5.3%	5.3%	5.7%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Race / Ethnicity, %</u>												
Hispanic white	7.2%	1.9%	0.6%	1.2%	1.0%	1.2%	15.4%	17.1%	8.5%	1.5%	5.1%	7.9%
Hispanic black	0.6%	0.3%	0.0%	0.0%	0.0%	0.1%	0.3%	0.2%	0.2%	0.2%	0.2%	0.4%
American Indian	0.3%	0.2%	1.7%	0.1%	0.3%	0.4%	0.2%	1.2%	0.8%	0.9%	0.6%	0.2%
Black	26.9%	33.7%	5.2%	9.7%	25.7%	43.1%	30.0%	9.7%	6.9%	7.9%	17.6%	27.5%
Asian	0.8%	0.1%	0.1%	0.0%	0.2%	0.2%	0.3%	0.2%	0.3%	1.4%	10.9%	2.5%
White	55.1%	53.6%	77.4%	82.3%	63.7%	47.2%	49.0%	59.0%	76.4%	77.3%	53.0%	47.9%
Race unknown	9.1%	10.3%	15.0%	6.7%	9.1%	7.8%	4.9%	12.5%	7.0%	10.7%	12.6%	13.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Marital Status</u>												
Never married	41.8%	52.1%	47.3%	44.0%	39.4%	35.2%	34.7%	32.4%	39.5%	41.6%	48.7%	50.9%
Married	25.5%	16.8%	18.6%	20.5%	23.8%	29.7%	27.8%	29.1%	23.9%	20.7%	20.8%	16.9%
Divorced/Separated	29.2%	27.5%	31.2%	32.5%	33.3%	31.6%	33.8%	35.0%	33.7%	34.7%	27.2%	28.7%
Widowed	3.6%	3.6%	3.0%	2.9%	3.5%	3.5%	3.7%	3.6%	2.9%	3.0%	3.3%	3.5%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

**Table 1D: FY01 Patients w/ Bipolar Disorder, Demographics, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Bipolar Disorder	65556	4263	2240	2438	3589	1551	2558	3093	5575	2814	2754	2644
<u>Age, %</u>												
<35	8.1%	6.2%	8.0%	5.6%	7.8%	9.0%	9.4%	8.1%	6.0%	9.3%	8.1%	8.4%
>=35 and <50	38.9%	35.3%	41.0%	33.6%	37.3%	46.4%	42.8%	40.8%	35.7%	39.1%	42.2%	39.4%
>=50 and <65	36.5%	37.9%	36.8%	37.5%	36.0%	31.1%	32.2%	35.5%	37.5%	36.7%	34.9%	35.7%
>=65 and <80	14.7%	17.9%	12.3%	20.6%	16.8%	12.0%	13.8%	14.0%	18.4%	13.8%	13.3%	15.0%
>=80	1.8%	2.7%	1.9%	2.7%	2.1%	1.5%	1.8%	1.6%	2.3%	1.1%	1.5%	1.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
mean age	51.74	53.56	50.99	54.39	52.29	49.84	50.71	51.25	53.61	50.95	51.08	51.50
SD	12.69	13.07	12.53	13.22	13.07	12.43	12.93	12.54	12.93	12.45	12.36	12.68
<u>Gender</u>												
Male, %	88.7%	90.9%	90.0%	91.8%	90.3%	85.7%	85.5%	85.1%	88.6%	88.9%	90.5%	89.9%
Female, %	11.3%	9.1%	10.0%	8.2%	9.7%	14.3%	14.5%	14.9%	11.4%	11.1%	9.5%	10.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Race / Ethnicity, %</u>												
Hispanic white	3.1%	1.1%	1.3%	5.7%	0.6%	1.2%	0.7%	0.6%	12.1%	0.5%	0.4%	0.3%
Hispanic black	0.3%	0.3%	0.3%	1.0%	0.2%	0.4%	0.2%	0.2%	0.8%	0.1%	0.1%	0.1%
American indian	0.3%	0.1%	0.2%	0.1%	0.0%	0.1%	0.5%	0.2%	0.1%	0.1%	0.1%	0.2%
Black	11.0%	4.5%	8.2%	16.4%	11.4%	30.4%	21.7%	19.8%	6.5%	11.1%	11.7%	10.5%
Asian	0.3%	0.1%	0.0%	0.2%	0.0%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%
White	70.5%	81.0%	77.8%	61.6%	73.8%	55.9%	62.5%	63.5%	63.8%	77.8%	71.9%	74.8%
Race unknown	14.6%	12.9%	12.1%	14.8%	14.0%	11.8%	14.3%	15.6%	16.6%	10.4%	15.6%	14.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Marital Status</u>												
Never married	21.4%	24.2%	23.0%	34.5%	25.1%	27.7%	18.0%	16.5%	16.8%	15.2%	18.5%	20.8%
Married	37.1%	35.5%	37.4%	33.0%	37.2%	28.8%	43.4%	43.5%	42.8%	43.6%	38.4%	35.4%
Divorced/Separated	37.8%	35.9%	36.2%	27.9%	33.9%	38.9%	35.4%	35.9%	36.6%	37.8%	39.0%	40.4%
Widowed	3.7%	4.4%	3.5%	4.6%	3.8%	4.6%	3.1%	4.0%	3.8%	3.4%	4.2%	3.5%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

**Table 1D: FY01 Patients w/ Bipolar Disorder, Demographics, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Bipolar Disorder	65556	3112	1882	1105	3018	3989	2836	3013	2561	3593	2739	4189
<u>Age, %</u>												
<35	8.1%	7.6%	6.3%	7.0%	8.2%	9.9%	9.1%	8.8%	8.7%	9.6%	9.0%	8.9%
>=35 and <50	38.9%	39.6%	37.7%	37.7%	39.9%	39.2%	43.6%	36.6%	39.5%	39.7%	35.3%	39.9%
>=50 and <65	36.5%	35.2%	38.2%	36.6%	34.7%	35.8%	34.3%	39.3%	37.6%	38.8%	39.9%	36.8%
>=65 and <80	14.7%	15.9%	16.0%	17.3%	15.6%	14.0%	11.3%	13.8%	12.8%	10.4%	14.1%	12.6%
>=80	1.8%	1.8%	1.8%	1.4%	1.7%	1.1%	1.7%	1.5%	1.4%	1.5%	1.7%	1.8%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
mean age	51.74	52.07	52.71	52.35	51.53	50.94	50.32	51.70	51.02	50.38	51.87	51.19
SD	12.69	12.79	12.54	12.79	12.82	12.47	12.30	12.53	12.33	11.96	12.51	12.48
<u>Gender</u>												
Male, %	88.7%	91.9%	91.2%	91.1%	90.0%	86.7%	85.6%	85.9%	88.3%	88.1%	87.3%	88.4%
Female, %	11.3%	8.1%	8.8%	8.9%	10.0%	13.3%	14.4%	14.1%	11.7%	11.9%	12.7%	11.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Race / Ethnicity, %</u>												
Hispanic white	3.1%	2.2%	0.4%	0.5%	1.2%	1.0%	8.2%	5.9%	4.2%	0.9%	3.5%	5.5%
Hispanic black	0.3%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.3%	0.1%	0.3%	0.1%	0.4%
American Indian	0.3%	0.2%	1.1%	0.4%	0.3%	0.5%	0.2%	0.9%	0.4%	1.0%	0.4%	0.2%
Black	11.0%	23.3%	4.6%	2.9%	8.6%	14.9%	10.2%	4.5%	4.8%	4.5%	7.3%	11.4%
Asian	0.3%	0.1%	0.1%	0.1%	0.2%	0.1%	0.1%	0.2%	0.4%	0.5%	2.0%	1.1%
White	70.5%	63.6%	76.5%	81.2%	75.0%	71.1%	70.3%	70.8%	81.8%	75.6%	67.8%	60.4%
Race unknown	14.6%	10.3%	17.2%	14.9%	14.6%	12.3%	10.8%	17.4%	8.3%	17.3%	18.9%	21.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Marital Status</u>												
Never married	21.4%	29.6%	20.8%	18.8%	17.1%	16.5%	17.3%	18.9%	18.4%	17.5%	25.2%	32.1%
Married	37.1%	27.4%	36.9%	40.1%	39.4%	41.3%	38.1%	38.3%	38.8%	36.7%	31.7%	26.3%
Divorced/Separated	37.8%	39.6%	38.7%	38.1%	39.6%	38.5%	41.1%	39.1%	39.4%	42.8%	39.6%	38.4%
Widowed	3.7%	3.3%	3.6%	3.1%	3.9%	3.7%	3.5%	3.7%	3.3%	2.9%	3.5%	3.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

**Table 1E: FY01 Patients w/ Other Psychoses, Demographics, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Other Psychoses	32380	1360	713	1199	1287	909	1574	1900	3060	1731	1129	987
<u>Age, %</u>												
<35	3.1%	3.1%	2.1%	2.1%	2.6%	2.3%	3.0%	3.6%	2.2%	2.7%	1.8%	4.4%
>=35 and <50	18.6%	15.2%	16.8%	17.0%	16.0%	19.4%	17.6%	20.7%	14.6%	17.0%	16.8%	20.7%
>=50 and <65	24.3%	22.4%	20.9%	23.4%	20.0%	21.7%	21.1%	28.1%	23.6%	25.1%	22.8%	25.4%
>=65 and <80	36.4%	40.0%	36.0%	36.1%	41.4%	36.6%	40.9%	33.0%	38.9%	40.3%	41.4%	35.7%
>=80	17.7%	19.3%	24.1%	21.4%	20.0%	20.0%	17.5%	14.6%	20.7%	14.9%	17.3%	13.9%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
mean age	64.42	65.77	66.75	66.22	66.45	65.42	65.35	62.52	66.45	64.54	65.75	62.53
SD	15.71	15.60	15.85	15.44	15.43	15.90	15.53	15.59	15.24	15.06	14.94	15.87
<u>Gender</u>												
Male, %	95.6%	95.1%	96.2%	96.8%	95.9%	95.6%	95.7%	95.4%	95.2%	96.8%	96.9%	95.4%
Female, %	4.4%	4.9%	3.8%	3.2%	4.1%	4.4%	4.3%	4.6%	4.8%	3.2%	3.1%	4.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Race / Ethnicity, %</u>												
Hispanic white	4.5%	1.4%	0.3%	7.0%	1.0%	0.7%	0.6%	0.4%	15.2%	0.2%	0.3%	0.8%
Hispanic black	0.4%	0.4%	0.0%	2.3%	0.2%	0.3%	0.4%	0.2%	0.8%	0.1%	0.3%	0.0%
American indian	0.4%	0.1%	0.7%	0.3%	0.2%	0.1%	0.5%	0.1%	0.1%	0.1%	0.0%	0.2%
Black	19.5%	7.0%	12.2%	27.1%	18.9%	44.2%	27.1%	36.2%	11.1%	17.8%	24.4%	24.0%
Asian	0.7%	0.0%	0.0%	0.3%	0.0%	0.0%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%
White	57.6%	75.5%	73.9%	45.4%	61.0%	35.6%	52.7%	45.5%	50.9%	68.0%	54.6%	64.0%
Race unknown	16.9%	15.6%	12.9%	17.6%	18.7%	19.0%	18.6%	17.5%	21.6%	13.7%	20.5%	10.9%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Marital Status</u>												
Never married	17.3%	21.5%	20.9%	28.5%	19.6%	22.5%	12.7%	14.6%	12.5%	12.4%	13.9%	20.5%
Married	46.6%	41.6%	44.2%	41.4%	44.9%	37.0%	55.4%	49.6%	55.0%	54.6%	47.1%	38.9%
Divorced/Separated	25.4%	23.2%	20.5%	18.2%	22.1%	26.4%	21.4%	25.3%	21.9%	23.3%	27.8%	30.2%
Widowed	10.7%	13.7%	14.4%	11.8%	13.5%	14.0%	10.5%	10.6%	10.6%	9.7%	11.2%	10.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

**Table 1E: FY01 Patients w/ Other Psychoses, Demographics, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Other Psychoses	32380	1270	736	356	1889	3432	1657	1586	782	1351	1619	1853
<u>Age, %</u>												
<35	3.1%	3.2%	3.9%	3.4%	2.5%	3.7%	2.7%	2.7%	2.7%	4.7%	4.3%	3.6%
>=35 and <50	18.6%	23.1%	20.9%	19.9%	18.3%	18.3%	15.4%	14.2%	15.6%	28.8%	26.3%	21.0%
>=50 and <65	24.3%	24.3%	23.2%	24.4%	24.3%	26.0%	22.9%	20.1%	26.1%	29.6%	27.9%	26.4%
>=65 and <80	36.4%	33.7%	35.1%	37.6%	37.2%	35.8%	39.0%	40.9%	36.4%	26.6%	25.3%	32.1%
>=80	17.7%	15.7%	16.8%	14.6%	17.7%	16.2%	19.9%	22.0%	19.2%	10.4%	16.3%	16.9%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
mean age	64.42	62.64	63.22	63.30	64.86	63.81	65.85	67.21	65.27	58.72	60.83	63.16
SD	15.71	15.81	16.27	15.56	15.57	15.70	15.41	15.35	15.32	15.53	16.34	15.98
<u>Gender</u>												
Male, %	95.6%	95.9%	94.7%	94.9%	96.9%	95.8%	96.1%	94.2%	96.0%	94.1%	93.8%	95.7%
Female, %	4.4%	4.1%	5.3%	5.1%	3.1%	4.2%	3.9%	5.8%	4.0%	5.9%	6.2%	4.3%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Race / Ethnicity, %</u>												
Hispanic white	4.5%	1.4%	1.1%	0.6%	0.7%	1.2%	14.5%	14.2%	6.8%	0.7%	5.6%	7.1%
Hispanic black	0.4%	0.3%	0.0%	0.3%	0.1%	0.1%	0.2%	0.3%	0.1%	0.7%	0.2%	0.3%
American Indian	0.4%	0.2%	1.6%	0.6%	0.1%	0.4%	0.0%	1.5%	0.5%	1.4%	0.7%	0.2%
Black	19.5%	26.4%	4.3%	7.6%	18.3%	29.2%	17.0%	4.5%	7.0%	10.0%	16.1%	18.2%
Asian	0.7%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.3%	0.4%	1.7%	10.4%	1.0%
White	57.6%	57.2%	69.4%	77.2%	62.9%	55.2%	57.8%	62.2%	71.5%	69.6%	50.9%	49.4%
Race unknown	16.9%	14.5%	23.5%	13.8%	17.9%	13.8%	10.4%	17.1%	13.7%	16.0%	16.1%	23.8%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Marital Status</u>												
Never married	17.3%	23.4%	19.6%	17.9%	14.9%	13.8%	11.3%	12.6%	15.2%	18.4%	27.2%	24.8%
Married	46.6%	40.1%	43.4%	43.1%	47.3%	51.7%	53.4%	50.2%	48.5%	36.3%	35.6%	36.1%
Divorced/Separated	25.4%	26.7%	25.7%	28.0%	27.3%	24.8%	24.3%	25.4%	25.5%	37.6%	28.0%	29.7%
Widowed	10.7%	9.8%	11.3%	11.0%	10.6%	9.7%	11.0%	11.9%	10.7%	7.7%	9.3%	9.3%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%



## Chapter 2

### Other Patient Characteristics

#### Background

##### Registry Patient's History of VA Utilization

We report the number of years since a patient's first service use in the prior ten fiscal years and both the percentage of years since this initial use that included 24-hour institutional care and that included outpatient care. This provides a more comprehensive picture of the Registry population, highlighting the longevity and regularity of care received over the prior ten fiscal years.

##### GAF

Available for the majority of Registry patients, this measure of functioning is widely used in both clinical practice and research settings. While reliance upon the GAF as the only tool to assess patients' functioning may be problematic (Roy-Byrne, Dagadakis, Unutzer, & Ries, 1996) and despite a closer correlation with symptomatology than with true functional status, numerous studies have documented the GAF's solid reliability and usefulness as an indicator of health status and treatment outcomes. VHA Directive 97-059, Instituting Global Assessment of Function (GAF) Scores in Axis V for Mental Health Patients, set policy "that, starting in FY 1998 ... mental health clinicians are required to record at least one GAF score in Axis V reflecting the 'current level of functioning' for each veteran patient seen at any VHA mental health inpatient or outpatient setting. ... Outpatients seen in a mental health clinic or program who have not had a GAF score for 90 days will require an update.... At least one GAF score in Axis V will now be required for all patients discharged from psychiatric bed sections" (Department of Veterans Affairs, 1997). We report the average of both IP and OP GAF measures for FY01, as well as a measure of the frequency with which the GAF was administered as mandated.

##### Dual Diagnosis

Complicating the severity of SMI conditions alone, the additional component of substance abuse represents one the most significant obstacles to effective schizophrenia treatment (Dixon, 1999). This "double jeopardy" (Swofford, Scheller-Gilkey, Miller, Woolwine, & Mance, 2000) offers considerable challenges to the patient, provider and system, and has appropriately received tremendous attention in the clinical literature. Pertinent issues include the pervasiveness of alcohol and drug use among the mentally ill, correlates of higher rates, debates regarding etiology, difficulties in detection and diagnosis, the deleterious effect upon symptomology and functioning, plus treatment options and prognosis. Per the Epidemiological Catchment Area study (Regier et al., 1990), 47% of individuals with schizophrenia also have a substance abuse condition, compared with a 16% prevalence rate within the general population. However, Kessler comments that both the ECA and National Comorbidity Study probably underestimate the true prevalence of dual diagnosis, since such studies often exclude the homeless and patients too dysfunctional to complete the surveys (Kessler et al., 1996). Indeed, numerous clinical studies of SMI populations have consistently estimated the rate of comorbid substance abuse at between 50-75% (Drake & Wallach, 1989). Interestingly, a previous VA study from the Long-Term Mental Health Project, found a prevalence rate of only 27% (Blow et al., 2000). Patient factors associated with higher rates of dual diagnosis include being male, younger, unmarried, and lower SES.

The two primary theories regarding the etiology of dual diagnosis include the "vulnerability" model, which suggests that symptomology may be either initiated or exacerbated by alcohol or illicit substances (Dixon, Haas, Weiden, Sweeney, & Frances, 1991), and the "self-medication" model, where patients use substances in order to alleviate their SMI symptoms. With the self-medication theory in growing disfavor, the current view assumes a more nuanced picture, describing a collection of psychosocial risk factors (general addictive behaviors or predilections,

social isolation, lack of structured daily activities, or the influence of a deviant peer group). (Mueser, Drake, & Wallach, 1998; Mueser, Bellack, & Blanchard, 1992)

Regardless of etiology, dual diagnosis presents many challenges for the treatment of SMI. These problems begin with classification, including a lack of consistent terminology (use, abuse, dependence), difficulty in detection due to masked symptoms, and poor treatment rates once diagnosed (Milling, Faulkner, & Craig, 1994; Mueser et al., 1990; Drake & Wallach, 1989). Dual diagnosis patients generally seek less outpatient care in general, though experience more frequent inpatient admissions and relapses (Mueser et al., 1992; Swofford et al., 2000). Treatment compliance tends to be worse, including missed appointments and non-adherence to medication regimes (Drake & Wallach, 1989; Mueser et al., 1992; Dixon, 1999). A higher risk of suicide, violence, homelessness, medical comorbidity and mortality has also been observed (Drake & Wallach, 1989; Dixon, 1999; Dixon et al., 1991; Brown, 1997). Yet, despite this lengthy list, some researchers observe that patients with dual diagnosis might actually have a better prognosis than SMI individuals without substance use (Dixon et al., 1991; Mueser et al., 1998).

The VHA has long been the most extensive and innovative systems in providing care for dual diagnosis (Peterson, Swindle, Moos, Finney, & Suchinsky, 1992), and continues to expand as needed to treat its veterans with comorbid conditions. Integrated care (including domiciliary and residential options, case management and ACT programs, vocational training and other psychosocial rehabilitation) has been demonstrated to be essential for effective treatment of this population (Drake, Mueser, Clark, & Wallach, 1996), and recent research has demonstrated that Clozapine might offer particular advantages in the treatment of dual diagnosis (Drake, Xie, McHugo, & Green, 2000; Buckley, 1998).

Finally, comorbid conditions are extremely expensive: Dixon cites Barbara Dickey's 1996 Medicaid study of individuals with schizophrenia, where dual diagnosis patients cost an average of \$23,169 per year versus only \$12,350 in patients with no substance abuse (Dixon, 1999).

For all these reasons, it is important that VHA recognize and identify individuals with dual diagnosis as a unique sub-group and investigate the prevalence of these disorders among their patients

### Mortality

SMI patients are at significantly higher risk for premature death than the overall population. Mental disorders represent a major factor in overall mortality, with nearly 8% of all deaths listing mental illnesses as a 'contributory' cause and another 2% as the 'direct' cause (Dembling, 1997). A major epidemiological study of all SMI patients served by the Massachusetts Department of Mental Health determined that, compared to the general population, SMI patients lose an average of 8.8 years of life (Dembling, Chen, & Vachon, 1999). As a population, SMI patients experience 65% higher mortality than expected for their disease and age (Baxter, 1996).

A recent article by Harris summarizes data from a variety of sources and echoes results of many earlier studies (Harris & Barraclough, 1998). The measure most often cited in the literature is the standardized mortality ratio (SMR), comparing the observed deaths to the number of expected deaths. In general for SMI patients, the authors noted SMRs ranging from 1.7 to nearly 5.0.

Mortality data were collected from the BIRLS and PTF files. Both crude and age-and-gender-adjusted standardized mortality rates are presented. SMRs are reported at the national and VISN levels. SMRs were not calculated for individual stations. The calculation of SMRs beginning in FY01 uses the entire 1998 US population as the reference population. Note that prior reports, for FY99 and FY00, standardized with reference to the 1997 U.S. population. Moreover, for these years the calculation of SMRs did not adjust for gender differences and were based on an artificial population distribution, presuming a constant frequency across age groups. These misspecifications are corrected for FY01. As a consequence, FY99 and FY00 SMRs from prior reports are not comparable to the SMRs reported for FY01.

## VERA Patient Class

Each VA patient is categorized by VERA based on their service connection, economic means and type of medical problem. Patient eligibility categories are assigned as follows. A Category A patient is either service-connected or a non service-connected veteran who meets means test criteria. A Category C patient is a non service-connected veteran who does not fall under income limitation ceilings and receives discretionary care from the VA. Category N patients are non-veterans.

Complex care patients are designated based on a number of different criteria that can include specific diagnoses and/or a particular pattern of utilization in certain types of facilities.

Basic vested includes care that does not qualify for complex but does include the completion of at least one thorough medical evaluation or inpatient stay during the past three years.

Basic Non-Vested includes those patients who do not qualify as complex and have had neither an inpatient stay nor a medical evaluation in the prior three-year period.

All Complex patients are funded, whereas among patients receiving Basic care only Category A patients are funded.

## Homelessness

Homelessness remains a serious and prevalent problem among veterans in general, with approximately 40% of all homeless individuals having served in the armed forces (Winkleby & Fleshin, 1993). Approximately 250,000 veterans are homeless at any given time, with perhaps twice that figure homeless at some time during the course of a year. The presence of a SMI condition greatly increases the risk of being homeless. Numerous studies report that 25-30% of homeless individuals suffer from chronic schizophrenia, and up to 50% have some mental health condition (Dickey, 2000; Koegel, Burnam, & Farr, 1988; Rosenheck, Gallup, & Frisman, 1993). While the risk may be slightly higher for patients with schizophrenia, the difference across SMI diagnoses is not significant (Herman, Susser, Jandorf, Lavelle, & Bromet, 1998). Specifically examining a veteran population, Chinman found that 39% of homeless veterans had schizophrenia (Chinman, Rosenheck, & Lam, 2000). However, other evidence indicates that substance abuse or dual diagnosis might play an equal if not more significant role (Hartz, Banys, & Hall, 1994; North, Smith, Pollio, & Spitznagel, 1996; Rosenheck & Fontana, 1994).

Although previous research has documented the prevalence of SMI conditions among the homeless (veterans and non-veterans), few studies have reported on the opposite question: *rates of homelessness among veterans with psychosis*. Olfson notes that 7.6% of patients with schizophrenia were homeless within 3 months of discharge (Olfson, Mechanic, Hansell, Boyer, & Walkup, 1999). In a longitudinal study, Kuno determined that 24% of community SMI patients were homeless for some time over a 4-year period (Kuno, Rothbard, Averyt, & Culhane, 2000). Finally, of veterans reporting to VAMC emergency departments, 29% stated they were either currently or recently homeless (Stovall, Flaherty, Bowden, & Schoeny, 1997). By providing prevalence numbers for an entire population of veterans with psychosis, this report adds to the research knowledge of this important area. We report the percent of patients with psychosis diagnoses in FY01 for whom homelessness was indicated at some point in the fiscal year.

Homelessness was identified using multiple sources from the PTF and OPC data, including:

- the variable "HOMELESS" in the OPC file
- a diagnosis of V60.0, defined as a "Lack of housing: Hobos, Transients, Social migrants, Vagabonds, Tramps" in Volume 1 of the ICD-9-CM codes
- outpatient clinic stop codes:
  - 501, "Homeless Mentally Ill, Outreach"
  - 515, "CWT/TR, Homeless Chronically Mentally Ill"
  - 528, "Phone -- Homeless Mentally Ill"
  - 529, "HCHV / Homeless Mentally Ill"

- 590, "Community Outreach Homeless -- Staff"
- bedsection codes:
  - 28, "Homeless Chronically Mentally Ill, CWT/TR"
  - 37, "Domiciliary Care, Homeless (DHCV)"

### Service Connection

Service connection is often used as an indication of illness severity as well as being a predictor of health care utilization in several VA research studies (Rosenheck & Massari, 1993). In 1999, the Veterans Millennium Health Care and Benefits Act was enacted, increasing the VHA budget for medical care by nearly \$1.3 billion. The Act includes a mandate that the VHA provide nursing home and non-institutional long-term care to veterans who are at least 70% service connected. It also authorized VHA to raise medication co-payments from \$2 to \$7 for all veterans with a service connection of less than 50%. Further, it provides, for the first time, non-institutional long-term care as part of the basic benefits package for VA enrollees.

Sen. Rockefeller (D-WV), Chairman of the Senate VA Committee, is currently investigating the VA's progress on implementing the provisions of Millennium Bill. The VA's new Undersecretary for Health, Dr. Roswell, has indicated that a final rule will be published in the Federal Register and that a plan has been submitted to Rep. Smith (R-NJ), Chairman of the House VA Committee, to fully implement the long term care program by 2004.

Given the timeliness of this issue, this year's report includes the *distribution of service connection percentages* across all SMI veterans, noting important cut-offs points with regard to the Millennium Bill and other eligibility criteria.

Patient service connection was determined using the VA's PTF, OPC, and CNP Mini-master file.

### Access

The VHA Mental Health Program Guidelines stipulate that "Veterans within and across VISNs should have equal access to all levels of care within the continuum" (Veterans Health Administration, 1999). Access to health care is a general concept that relates to specific dimensions of the fit between characteristics of potential clients and providers. Penchansky and Thomas (1981) summarize these dimensions in terms of geographic accessibility, affordability, availability, acceptability, and accomodation. As compared to other health care providers, the VHA has fewer affordability barriers (Penchansky & Thomas, 1981). This is particularly true among VA patients with psychoses, the majority of whom have priority status on the basis of service connection or means testing criteria. As part of a strategic transformation of service delivery, the VHA has worked to shift the locus of care from inpatient to outpatient centers. This commitment is reflected in the recent expansion of CBOCs. Assuring service accessibility is a major policy goal in the VHA, and it is a necessary condition for the success of a strategic shift from a tertiary to a local and primary care orientation.

The negative relationship between health care utilization and distance has long been assumed, yet it has been inconsistently demonstrated in the research literature, which has largely focused on inpatient utilization. Although few patients forego care completely due to distance and transportation problems, individuals in more remote locations are more likely to delay seeking out providers (Horner et al., 1994). An early meta-analysis identified the same relationship between distance and use with mental health services as with medical services, in both private and community health systems (Shannon, Bashshur, & Lovett, 1986; White, 1986). Patients living farthest from hospitals had significantly longer lengths of stay, greater costs and worse outcomes, plus a tremendous dislocation from social support. Willingness to travel may vary by mental health diagnosis. Marcus and colleagues (Marcus, Olfson, Fortney, & Ryan, 1997) report the mean travel distance for outpatient mental health care in Pittsburgh. Mean travel distance for schizophrenia clinics was 3.6 miles, as compared to 8.5 miles for bipolar disorder clinics, and 11.7 miles for dementia clinics.

The VA has conducted numerous studies into the issue of veterans and questions of access due to distance. Zip code areas were used in studies of medical (Mooney, Zwanziger, Phibbs, & Schmitt, 2000) and mental health services

(Fortney, Owen, & Clothier, 1999). Again, although not the only factor, distance was one of the primary reasons that veterans did not obtain needed care. Patients living farther away from primary mental health services were 4.8 times as likely to have acute psychiatric admissions. Follow up services was also adversely affected, as distance substantially limited after care treatment for alcohol programs (Fortney, Booth, Blow, & Bunn, 1995). Research has demonstrated that patients benefit from satellite clinics. Among active VA patients with psychoses in FY00, McCarthy found that distance is associated with lower volume and poorer continuity of care over a one-year period (McCarthy, 2002). Among users of VA care, utilization among patients living closer to VA facilities was more negatively affected than among more distant patients. In addition, patients with schizophrenia, though having more overall use, were found to be more susceptible to distance barriers than were patients with bipolar disorder or other psychoses.

For the purposes of this report, access was defined as the distance from a patient's residence to their nearest VA Medical Center (excluding contract care facilities) and to their nearest Service Center (excluding domiciliary, nursing home and contract care providers). Distances are based on straight-line estimates of the geographic placement of every zip code to the zip of the closest VA provider. These data were last updated in May, 1998. Data from the VA Planning Systems Support Group (PSSG) were used to ascertain the zip codes of the VA facilities and the patient's zip codes were retrieved from the PTF and OPC files.

In addition, we assessed the percentage of patients living in a Metropolitan Statistical Area (MSA). An area qualifies for recognition as an MSA in one of two ways: the presence of a city of at least 50,000 population or an urbanized area of at least 50,000 with a total metropolitan population of at least 100,000 (75,000 in New England).

Reported are the percent of patients at each location and in each diagnosis group that were in an MSA, and the average distances to those two kinds of sites.

No data are reported on those patients (approximately 5%) whose zip codes placed them in a VISN other than the one they were assigned to for the purposes of this report.

## **Findings**

- GAF scores remained fairly constant across all years, with the average FY01 lowest inpatient GAF score approximately 38 and the mean outpatient score almost 51, both indicating severe impairment in global functioning
- Unreported inpatient GAF scores remain very high, at almost 60%, with substantial variability across (38% to 75%).
- Unreported outpatient GAF scores continue to drop (29.8% in FY99, 18.6% in FY01 and 14.3% in FY01).
- Geographic accessibility, as measured by distance to VA care, improved in FY01 after a small deterioration in FY00. Distance to nearest medical center decreased by 2.1% and distance to the nearest service site decreased by 16.2%.
- In FY01, the average number of miles a patient lives from a medical center was 30.7, and 10.7 from any VA service site.
- The number of patients designated "complex" by VERA, rose from 16.6% to 19.3% in the last year.
- Over 26% of patients had a substance abuse diagnosis. This is low compared to most studies which have tended to find cooccurring substance abuse in 50-75% of the seriously mentally ill population. This might reflect underdiagnosis in the VA.
- Almost 13% of patients had an indication of homelessness, with the rates for those with bipolar disorder higher than those with schizophrenia (15% vs. 12.4%).
- Just over half of NPR patients were service connected, with 24% at 100% level of connection.
- Over the last decade, National Psychosis Registry patients had their first episode of care an average of 7.6 years ago, indicating patients of long standing
- 2.8% of the entire Registry population and 6% of patients with "other" diagnoses died in FY01.
- Almost 13% of patients had an indication of homelessness, with the rates for those with bipolar disorder higher than those with schizophrenia (15% vs. 12.4%).

- Forty-two percent of patients with schizophrenia had service connection of at least 70%, the cut off for long term care provisions mandated in the Millennium Bill.

## **Tables**

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**Table 2A: FY01 Patient w/ Psychosis, Patient Characteristics, by Diagnosis Grouping**

	All	Schizophrenia	Bipolar	Other
Entire Population	196675	98739	65556	32380
<u>Registry Pts. History of VA Utilization</u>				
Years since first use in prior ten years, mean	7.6	8.5	6.9	6.6
SD	3.3	2.7	3.5	3.7
Yrs with 24-hour institutional use / yrs since 1st use, %	28.4%	30.6%	26.8%	23.9%
SD	27.8%	28.8%	26.8%	25.1%
Years with OP use / Years since first use, %	88.6%	90.0%	87.2%	86.7%
SD	20.4%	19.4%	21.1%	22.1%
<u>GAF scores</u>				
Lowest inpatient GAF score, mean	38.30	37.14	40.12	38.07
SD	13.86	13.75	13.86	13.79
Mean outpatient GAF score	50.56	49.19	53.33	48.46
SD	11.42	10.98	11.32	12.06
At least 1 IP GAF, among pts with MH bedsections, %	40.7%	42.0%	39.6%	38.5%
At least 1 OP GAF, among pts with MH clinic stops, %	85.7%	87.0%	85.2%	81.3%
<u>Mortality rates</u>				
died in FY01, %	2.8%	2.5%	1.5%	6.0%
Age-and-gender-adjusted Standardized Mortality Ratio	1.41	1.58	1.09	1.42
<u>Service Connection (SC)</u>				
Non-SC	49.5%	41.3%	56.4%	60.6%
SC 0 - 29%	8.8%	7.0%	10.3%	10.9%
SC 30 - 69%	11.2%	9.3%	13.7%	11.7%
SC 70 - 99%	6.5%	6.0%	7.6%	6.0%
SC 100%	24.0%	36.3%	12.0%	10.9%
Total	100.0%	100.0%	100.0%	100.0%
<u>VERA Patient Class, %</u>				
Complex*	19.3%	23.1%	14.0%	18.3%
Basic vested, Cat A*	76.6%	74.7%	80.0%	75.1%
Basic Non-vested, Cat A*	0.7%	0.8%	0.6%	0.7%
Basic, Cats C and N	3.5%	1.4%	5.4%	5.8%
Total	100.0%	100.0%	100.0%	100.0%
* Funded				
<u>Patient eligibility category, %</u>				
Cat A (SC or low income)	96.3%	98.4%	94.5%	93.6%
Cat C (NSC and higher income)	2.9%	1.1%	4.4%	5.7%
Non-Veteran	0.7%	0.5%	1.1%	0.7%
Total	100.0%	100.0%	100.0%	100.0%

**Table 2A: FY01 Patient w/ Psychosis, Patient Characteristics, by Diagnosis Grouping, continued**

	All	Schizophrenia	Bipolar	Other
Entire Population	196675	98739	65556	32380
<u>Substance Dependence and Abuse</u>				
Any dx of alcohol / drug dependence or abuse, %	26.2%	23.9%	32.5%	20.6%
<u>Homelessness</u>				
Homelessness indicated in FY01, %	12.8%	12.4%	15.0%	9.7%
<u>Residence in Metropolitan Area</u>				
Residing in a Metropolitan Statistical Area, %	77.9%	78.2%	78.6%	75.4%
<u>Distance</u>				
Mile from closest VA Medical Center, mean	30.66	27.96	33.21	33.68
<i>SD</i>	65.72	56.25	74.30	73.24
Miles from Closest VA Service Site, mean	10.68	10.01	11.17	11.73
<i>SD</i>	13.36	12.28	14.23	14.53



**Table 2B: FY01 All Patients, Patient Characteristics, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
All Patients	196675	10732	5783	9744	11261	5443	8299	11698	18161	8181	8666	8555
<u>Registry Pts. History of VA Utilization</u>												
Years since first use in prior ten years, mean	7.63	7.90	7.46	7.97	7.50	7.67	7.63	7.61	7.70	7.61	7.62	7.79
SD	3.30	3.17	3.38	3.08	3.35	3.23	3.33	3.27	3.31	3.34	3.37	3.26
Yrs with 24-hour institutional use / yrs since 1st use, %	28.4%	28.5%	28.4%	30.7%	29.3%	31.4%	30.7%	29.1%	23.0%	29.1%	30.2%	30.4%
SD	27.8%	28.2%	28.4%	30.4%	28.7%	29.2%	28.5%	28.3%	25.0%	27.5%	28.5%	29.6%
Years with OP use / Years since first use, %	88.6%	90.7%	88.8%	88.7%	89.4%	87.7%	87.5%	87.4%	89.1%	88.5%	88.5%	88.4%
SD	20.4%	19.1%	20.1%	20.8%	19.6%	21.0%	21.8%	21.2%	20.0%	20.7%	20.8%	21.1%
<u>GAF scores</u>												
Lowest inpatient GAF score, mean	38.30	31.73	40.14	36.21	41.48	39.75	42.32	40.28	36.11	38.35	39.52	44.24
SD	13.86	13.73	10.70	12.50	10.69	11.01	10.90	14.29	15.94	13.52	11.08	18.46
Mean outpatient GAF score	50.56	47.69	48.89	50.75	51.05	49.82	51.37	51.37	52.16	51.16	51.34	55.10
SD	11.42	11.94	9.89	10.03	11.03	10.70	11.37	9.41	11.19	11.19	12.08	10.94
At least 1 IP GAF, among pts with MH bedsections, %	40.7%	38.8%	52.4%	62.0%	33.8%	41.7%	28.7%	37.9%	25.9%	37.0%	52.3%	34.1%
At least 1 OP GAF, among pts with MH clinic stops, %	85.7%	87.4%	85.9%	87.3%	82.1%	76.4%	87.9%	90.6%	86.6%	84.9%	85.0%	89.2%
<u>Mortality rates</u>												
died in FY 01, %	2.8%	2.5%	3.0%	2.6%	3.4%	2.5%	2.9%	3.0%	2.7%	3.2%	2.7%	2.8%
Age-and-gender-adjusted Standardized Mortality Ratio	1.41	1.18	1.44	1.12	1.69	1.28	1.43	1.69	1.20	1.55	1.50	1.64

**Table 2B: FY01 All Patients, Patient Characteristics, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
All Patients	196675	8358	4712	2939	8800	15201	8247	7428	5508	8348	8754	11857
<u>Registry Pts. History of VA Utilization</u>												
Years since first use in prior ten years, mean	7.63	7.77	7.73	7.97	7.65	7.67	7.59	7.37	7.36	7.47	7.36	7.49
SD	3.30	3.18	3.30	3.11	3.33	3.29	3.34	3.37	3.38	3.28	3.39	3.31
Yrs with 24-hour institutional use / yrs since 1st use, %	28.4%	32.8%	31.6%	31.5%	31.0%	27.0%	30.7%	26.0%	27.6%	27.6%	24.5%	25.2%
SD	27.8%	29.5%	27.9%	28.3%	28.0%	26.0%	29.1%	26.0%	26.6%	27.1%	25.7%	25.8%
Years with OP use / Years since first use, %	88.6%	88.4%	90.2%	90.2%	90.1%	88.0%	88.0%	88.8%	86.8%	88.0%	88.8%	88.1%
SD	20.4%	20.4%	18.9%	19.6%	18.8%	20.7%	20.9%	19.9%	21.3%	20.2%	20.0%	20.5%
<u>GAF scores</u>												
Lowest inpatient GAF score, mean	38.30	38.38	42.29	36.14	44.89	33.46	41.67	40.81	35.25	35.37	36.45	36.81
SD	13.86	12.13	13.93	10.72	14.15	15.28	13.77	13.63	14.74	13.58	13.05	13.44
Mean outpatient GAF score	50.56	48.24	53.90	51.66	52.40	50.85	49.78	50.42	47.17	46.36	51.50	47.20
SD	11.42	12.30	11.76	11.04	11.42	11.84	10.49	10.88	11.41	10.64	10.83	13.27
At least 1 IP GAF, among pts with MH bedsections, %	40.7%	55.5%	47.3%	55.2%	29.2%	57.9%	46.8%	24.7%	29.7%	44.0%	30.7%	32.2%
At least 1 OP GAF, among pts with MH clinic stops, %	85.7%	84.6%	80.6%	91.7%	84.4%	96.3%	87.3%	85.7%	84.3%	86.0%	84.9%	70.3%
<u>Mortality rates</u>												
died in FY 01, %	2.8%	2.4%	3.5%	2.6%	2.9%	3.1%	2.9%	3.0%	2.9%	2.0%	2.1%	2.1%
Age-and-gender-adjusted Standardized Mortality Ratio	1.41	1.28	1.78	1.42	1.43	1.57	1.42	1.43	1.70	1.33	1.17	1.21

**Table 2B: FY01 All Patients, Patient Characteristics, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
All Patients	196675	10732	5783	9744	11261	5443	8299	11698	18161	8181	8666	8555
<u>Service Connection (SC)</u>												
Non-SC	49.5%	47.8%	53.6%	47.7%	50.5%	51.4%	42.6%	45.8%	41.6%	49.8%	55.2%	53.7%
SC 0 - 29%	8.8%	7.9%	8.8%	8.1%	8.6%	8.3%	8.6%	9.3%	8.6%	8.8%	9.4%	8.4%
SC 30 - 69%	11.2%	10.5%	10.4%	10.9%	10.9%	10.2%	13.7%	13.9%	11.8%	11.6%	11.1%	11.0%
SC 70 - 99%	6.5%	7.7%	6.5%	6.1%	6.2%	5.7%	8.0%	7.9%	7.4%	4.9%	4.2%	4.8%
SC 100%	24.0%	26.0%	20.7%	27.2%	23.7%	24.4%	27.1%	23.1%	30.6%	24.9%	20.0%	22.2%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>VERA Patient Class, %</u>												
Complex*	19.3%	22.0%	25.1%	26.8%	20.7%	25.3%	18.2%	17.7%	12.0%	15.1%	25.1%	19.3%
Basic vested, Cat A*	76.6%	72.7%	69.6%	68.4%	75.0%	70.7%	78.2%	78.7%	83.5%	80.9%	71.3%	75.8%
Basic Non-vested, Cat A*	0.7%	0.7%	1.0%	0.6%	0.9%	0.8%	0.8%	0.5%	0.9%	0.8%	0.5%	1.5%
Basic, Cats C and N	3.5%	4.5%	4.3%	4.2%	3.4%	3.1%	2.8%	3.1%	3.6%	3.1%	3.0%	3.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
* Funded												
<u>Patient eligibility category, %</u>												
Cat A (SC or low income)	96.3%	95.3%	95.3%	95.4%	96.4%	96.6%	97.0%	96.8%	96.3%	96.7%	96.7%	96.3%
Cat C (NSC and higher income)	2.9%	3.6%	3.6%	3.9%	3.1%	2.7%	2.7%	2.8%	2.9%	2.3%	2.8%	3.3%
Non-Veteran	0.7%	1.1%	1.1%	0.7%	0.6%	0.8%	0.3%	0.4%	0.8%	1.0%	0.5%	0.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Substance Dependence and Abuse</u>												
Any dx of alcohol / drug dependence or abuse, %	26.2%	29.6%	32.0%	27.4%	24.4%	31.1%	22.1%	22.7%	19.2%	21.5%	29.1%	23.9%
<u>Homelessness</u>												
Homelessness indicated in FY01, %	12.8%	13.5%	12.1%	17.8%	11.5%	16.4%	10.3%	9.7%	7.9%	8.0%	14.6%	10.5%
<u>Residence in Metropolitan Area</u>												
Residing in a Metropolitan Statistical Area, %	77.9%	84.8%	77.9%	98.1%	85.6%	91.6%	70.6%	72.1%	66.2%	63.9%	80.0%	74.5%
<u>Distance</u>												
Mile from Closest VA Medical Center, mean	30.66	18.82	21.84	10.25	16.86	12.02	27.06	31.73	35.23	34.93	23.46	30.67
SD	65.72	21.93	22.27	10.64	16.54	15.18	23.20	28.11	32.31	31.32	19.93	30.46
Miles from Closest VA Service Site, mean	10.68	7.58	6.69	4.09	7.42	6.70	16.24	15.31	8.79	15.40	8.61	11.95
SD	13.36	7.91	6.94	4.32	6.78	6.38	13.83	14.38	8.29	13.52	8.55	11.43

**Table 2B: FY01 All Patients, Patient Characteristics, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
All Patients	196675	8358	4712	2939	8800	15201	8247	7428	5508	8348	8754	11857
<u>Service Connection (SC)</u>												
Non-SC	49.5%	58.1%	51.5%	54.0%	57.1%	48.0%	45.7%	48.6%	48.0%	47.6%	49.6%	55.4%
SC 0 - 29%	8.8%	8.2%	8.6%	7.8%	8.8%	9.1%	9.9%	9.5%	9.0%	8.6%	8.0%	9.3%
SC 30 - 69%	11.2%	10.0%	11.0%	10.6%	9.3%	11.1%	12.2%	10.7%	11.9%	11.1%	10.3%	10.5%
SC 70 - 99%	6.5%	5.0%	6.1%	6.0%	4.8%	6.3%	7.2%	9.1%	6.8%	9.1%	7.1%	5.1%
SC 100%	24.0%	18.7%	22.8%	21.5%	20.0%	25.5%	24.9%	22.0%	24.3%	23.5%	25.1%	19.7%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>VERA Patient Class, %</u>												
Complex*	19.3%	27.5%	22.1%	21.4%	18.0%	16.0%	21.8%	12.7%	18.0%	19.3%	17.1%	17.8%
Basic vested, Cat A*	76.6%	68.2%	72.5%	73.9%	76.3%	80.7%	74.4%	83.0%	77.4%	78.2%	79.3%	78.8%
Basic Non-vested, Cat A*	0.7%	0.9%	0.4%	0.6%	0.8%	0.5%	0.6%	0.3%	0.5%	0.4%	0.7%	0.6%
Basic, Cats C and N	3.5%	3.4%	5.0%	4.1%	4.9%	2.8%	3.3%	4.0%	4.1%	2.1%	2.9%	2.7%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
* Funded												
<u>Patient eligibility category, %</u>												
Cat A (SC or low income)	96.3%	96.3%	94.7%	95.6%	94.8%	97.1%	96.4%	95.8%	95.7%	97.8%	96.9%	97.1%
Cat C (NSC and higher income)	2.9%	3.2%	4.3%	3.8%	3.9%	2.3%	2.5%	2.9%	3.5%	1.9%	2.1%	2.3%
Non-Veteran	0.7%	0.5%	1.1%	0.5%	1.3%	0.6%	1.0%	1.3%	0.8%	0.3%	1.0%	0.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Substance Dependence and Abuse</u>												
Any dx of alcohol / drug dependence or abuse, %	26.2%	32.7%	32.8%	25.0%	24.9%	23.5%	25.3%	26.2%	25.2%	32.6%	30.4%	29.5%
<u>Homelessness</u>												
Homelessness indicated in FY01, %	12.8%	14.8%	10.6%	6.9%	13.0%	10.4%	14.2%	12.0%	10.1%	20.3%	17.0%	20.9%
<u>Residence in Metropolitan Area</u>												
Residing in a Metropolitan Statistical Area, %	77.9%	82.4%	60.6%	51.2%	66.7%	72.3%	80.9%	78.7%	71.7%	75.7%	89.3%	99.5%
<u>Distance</u>												
Mile from Closest VA Medical Center, mean	30.66	21.20	41.53	43.85	26.32	40.00	37.17	44.23	45.75	79.96	29.51	17.19
SD	65.72	33.19	48.86	45.60	30.78	35.89	47.87	65.44	53.46	268.30	42.42	22.00
Miles from Closest VA Service Site, mean	10.68	8.50	17.48	14.93	11.53	16.78	9.71	10.30	12.42	14.57	8.40	5.82
SD	13.36	10.69	19.77	16.56	12.64	15.50	10.04	12.89	17.97	30.26	10.69	6.94

**Table 2C: FY01 Patients w/ Schizophrenia, Patient Characteristics, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Schizophrenia	98739	5109	2830	6107	6385	2983	4167	6705	9526	3636	4783	4924
<u>Registry Pts. History of VA Utilization</u>												
Years since first use in prior ten years, mean	8.5	8.7	8.4	8.6	8.4	8.4	8.6	8.3	8.6	8.7	8.4	8.5
<i>SD</i>	2.7	2.5	2.8	2.6	2.8	2.8	2.7	2.9	2.6	2.6	2.9	2.7
Yrs with 24-hour institutional use / yrs since 1st use, %	30.6%	30.8%	30.5%	33.8%	31.6%	33.2%	33.5%	31.8%	23.2%	31.4%	33.4%	32.8%
<i>SD</i>	28.8%	29.4%	29.1%	31.4%	29.7%	30.1%	29.5%	29.3%	25.0%	28.5%	29.5%	30.6%
Years with OP use / Years since first use, %	90.0%	91.7%	90.1%	88.8%	91.0%	88.7%	88.7%	88.5%	90.9%	90.9%	89.9%	89.4%
<i>SD</i>	19.4%	18.6%	19.2%	21.1%	18.4%	20.5%	21.3%	20.4%	18.1%	18.5%	19.7%	20.5%
<u>GAF scores</u>												
Lowest inpatient GAF score, mean	37.14	29.64	37.52	35.60	39.70	39.34	41.01	39.12	35.64	37.30	38.43	44.27
<i>SD</i>	13.75	13.28	10.93	12.36	10.01	11.14	11.02	14.13	15.52	13.51	10.67	20.10
Mean outpatient GAF score	49.19	45.61	46.07	49.44	49.61	48.89	50.64	50.45	51.21	50.03	49.33	54.26
<i>SD</i>	10.98	11.87	9.12	9.49	10.72	10.20	11.39	9.14	10.48	10.56	11.80	10.48
At least 1 IP GAF, among pts with MH bedsections, %	42.0%	41.6%	48.0%	61.3%	35.5%	43.4%	29.4%	39.6%	25.6%	40.3%	54.5%	35.3%
At least 1 OP GAF, among pts with MH clinic stops, %	87.0%	87.8%	86.3%	87.9%	83.2%	79.3%	89.3%	91.6%	88.4%	87.4%	85.5%	90.3%
<u>Mortality rates</u>												
died in FY 01, %	2.5%	2.7%	3.0%	2.9%	3.2%	2.0%	2.5%	2.5%	2.2%	3.0%	2.6%	2.6%
Age-and-gender-adjusted Standardized Mortality Ratio	1.58	1.42	1.54	1.43	1.80	1.26	1.63	1.73	1.25	1.73	1.79	1.73

**Table 2C: FY01 Patients w/ Schizophrenia, Patient Characteristics, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Schizophrenia	98739	3976	2094	1478	3893	7780	3754	2829	2165	3404	4396	5815
<u>Registry Pts. History of VA Utilization</u>												
Years since first use in prior ten years, mean	8.5	8.5	8.6	8.7	8.6	8.5	8.5	8.3	8.3	8.3	8.1	8.3
SD	2.7	2.7	2.7	2.5	2.7	2.7	2.7	2.8	2.9	2.8	3.0	2.8
Yrs with 24-hour institutional use / yrs since 1st use, %	30.6%	33.8%	32.8%	34.7%	33.1%	29.2%	34.2%	27.9%	30.6%	29.7%	25.6%	27.4%
SD	28.8%	30.7%	28.5%	29.2%	28.8%	26.9%	30.5%	27.0%	27.6%	27.8%	26.3%	26.7%
Years with OP use / Years since first use, %	90.0%	89.0%	91.2%	91.0%	92.0%	89.6%	90.0%	90.8%	88.4%	90.1%	90.4%	89.5%
SD	19.4%	20.3%	18.5%	19.1%	17.3%	19.2%	19.3%	17.9%	20.1%	18.7%	18.6%	19.2%
<u>GAF scores</u>												
Lowest inpatient GAF score, mean	37.14	36.78	40.37	34.93	41.78	33.44	40.50	39.17	33.36	33.79	33.63	36.21
SD	13.75	12.57	13.82	10.79	14.49	14.86	13.30	15.48	13.25	13.71	12.40	12.69
Mean outpatient GAF score	49.19	46.25	52.12	50.14	51.31	50.08	47.89	48.35	44.04	43.97	49.58	45.34
SD	10.98	11.56	11.84	10.27	10.61	11.56	9.91	10.12	10.11	9.69	10.61	12.29
At least 1 IP GAF, among pts with MH bedsections, %	42.0%	51.0%	41.8%	55.6%	27.8%	60.1%	46.2%	26.3%	33.7%	44.7%	32.4%	36.2%
At least 1 OP GAF, among pts with MH clinic stops, %	87.0%	85.8%	80.8%	93.2%	85.9%	96.8%	87.0%	86.7%	83.9%	87.3%	86.8%	73.4%
<u>Mortality rates</u>												
died in FY 01, %	2.5%	2.4%	3.0%	2.8%	2.5%	2.8%	2.8%	1.7%	2.6%	2.0%	2.0%	2.0%
Age-adjusted Standardized Mortality Ratio	1.58	1.57	1.77	1.80	1.65	1.90	1.79	1.22	1.91	1.49	1.32	1.44

**Table 2C: FY01 Patients w/ Schizophrenia, Patient Characteristics, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Schizophrenia	98739	5109	2830	6107	6385	2983	4167	6705	9526	3636	4783	4924
<u>Service Connection (SC)</u>												
Non-SC	41.3%	39.3%	45.7%	40.0%	43.5%	44.2%	34.2%	39.2%	29.3%	40.5%	49.3%	46.9%
SC 0 - 29%	7.0%	6.2%	7.0%	7.1%	7.0%	7.3%	6.9%	8.0%	6.5%	6.4%	8.1%	6.6%
SC 30 - 69%	9.3%	8.4%	8.3%	9.6%	9.0%	8.0%	10.2%	12.9%	10.2%	9.3%	9.0%	10.1%
SC 70 - 99%	6.0%	6.6%	6.1%	6.1%	6.3%	5.6%	7.1%	8.0%	7.5%	4.0%	4.2%	5.0%
SC 100%	36.3%	39.5%	32.9%	37.2%	34.1%	34.9%	41.6%	31.9%	46.5%	39.9%	29.3%	31.5%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>VERA Patient Class, %</u>												
Complex*	23.1%	28.1%	28.6%	32.0%	24.6%	28.2%	21.9%	20.6%	12.2%	19.3%	31.9%	23.2%
Basic vested, Cat A*	74.7%	68.9%	68.9%	65.4%	73.1%	69.2%	76.0%	77.5%	85.8%	78.7%	66.2%	73.8%
Basic Non-vested, Cat A*	0.8%	0.8%	1.1%	0.7%	1.0%	0.8%	0.9%	0.5%	1.0%	1.0%	0.4%	1.6%
Basic, Cats C and N	1.4%	2.2%	1.4%	1.9%	1.3%	1.9%	1.2%	1.5%	1.0%	1.0%	1.4%	1.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
* Funded												
<u>Patient eligibility category, %</u>												
Cat A (SC or low income)	98.4%	97.7%	98.3%	97.7%	98.6%	98.0%	98.8%	98.4%	99.0%	99.0%	98.3%	98.3%
Cat C (NSC and higher income)	1.1%	1.5%	1.3%	1.8%	1.1%	1.4%	1.0%	1.3%	0.5%	0.5%	1.3%	1.5%
Non-Veteran	0.5%	0.8%	0.5%	0.5%	0.3%	0.6%	0.2%	0.4%	0.5%	0.5%	0.4%	0.2%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Substance Dependence and Abuse</u>												
Any dx of alcohol / drug dependence or abuse, %	23.9%	25.4%	27.1%	26.0%	22.4%	29.1%	21.2%	22.8%	16.5%	19.1%	28.7%	21.1%
<u>Homelessness</u>												
Homelessness indicated in FY01, %	12.4%	11.5%	10.2%	18.8%	11.8%	15.9%	10.6%	10.5%	6.2%	7.5%	15.3%	10.6%
<u>Residence in Metropolitan Area</u>												
Residing in a Metropolitan Statistical Area, %	78.2%	87.2%	79.6%	97.9%	87.7%	92.1%	70.9%	72.7%	55.4%	65.8%	78.2%	75.0%
<u>Distance</u>												
Mile from Closest VA Medical Center, mean	27.96	17.32	20.21	10.21	15.38	10.97	26.74	30.01	32.10	34.64	22.06	28.36
SD	56.25	20.28	21.86	10.60	15.85	14.08	23.34	27.82	30.38	31.87	19.61	29.82
Miles from Closest VA Service Site, mean	10.01	6.92	6.24	4.16	6.97	6.28	15.63	14.66	8.96	15.08	8.19	11.10
SD	12.28	7.35	6.61	4.45	6.49	5.82	13.70	14.20	8.03	13.60	8.49	11.01

**Table 2C: FY01 Patients w/ Schizophrenia, Patient Characteristics, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Schizophrenia	98739	3976	2094	1478	3893	7780	3754	2829	2165	3404	4396	5815
<u>Service Connection (SC)</u>												
Non-SC	41.3%	49.4%	44.0%	48.2%	49.5%	39.5%	37.2%	38.7%	39.7%	41.1%	41.9%	48.2%
SC 0 - 29%	7.0%	7.1%	7.3%	6.0%	6.8%	7.3%	8.6%	6.8%	6.1%	6.8%	6.0%	7.7%
SC 30 - 69%	9.3%	10.3%	8.1%	8.1%	6.8%	9.6%	9.5%	7.8%	8.5%	6.8%	8.3%	9.4%
SC 70 - 99%	6.0%	5.2%	5.6%	5.1%	4.4%	5.6%	6.0%	8.1%	4.8%	7.1%	6.1%	4.7%
SC 100%	36.3%	27.9%	35.0%	32.6%	32.6%	38.0%	38.8%	38.6%	41.0%	38.2%	37.7%	30.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>VERA Patient Class, %</u>												
Complex*	23.1%	29.1%	26.7%	25.2%	21.2%	19.5%	26.8%	12.8%	24.2%	24.4%	19.6%	22.9%
Basic vested, Cat A*	74.7%	68.0%	71.1%	73.3%	75.6%	79.0%	71.2%	84.8%	73.5%	74.1%	78.5%	75.3%
Basic Non-vested, Cat A*	0.8%	1.4%	0.3%	0.5%	0.9%	0.5%	0.6%	0.4%	0.7%	0.4%	0.6%	0.8%
Basic, Cats C and N	1.4%	1.6%	2.0%	1.0%	2.2%	1.0%	1.3%	2.0%	1.6%	1.0%	1.3%	1.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
* Funded												
<u>Patient eligibility category, %</u>												
Cat A (SC or low income)	98.4%	98.1%	97.8%	98.7%	97.6%	99.0%	98.5%	97.9%	98.4%	98.9%	98.6%	98.9%
Cat C (NSC and higher income)	1.1%	1.4%	1.7%	1.0%	1.5%	0.7%	0.8%	0.6%	0.9%	0.9%	0.7%	0.7%
Non-Veteran	0.5%	0.5%	0.5%	0.3%	0.9%	0.4%	0.7%	1.4%	0.7%	0.2%	0.6%	0.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Substance Dependence and Abuse</u>												
Any dx of alcohol / drug dependence or abuse, %	23.9%	27.9%	27.6%	22.3%	20.7%	23.0%	24.1%	25.7%	21.2%	28.3%	27.3%	28.5%
<u>Homelessness</u>												
Homelessness indicated in FY01, %	12.4%	11.8%	10.0%	4.9%	12.2%	10.2%	13.6%	11.7%	10.3%	20.0%	17.1%	21.5%
<u>Residence in Metropolitan Area</u>												
Residing in a Metropolitan Statistical Area, %	78.2%	81.7%	63.6%	51.3%	70.6%	73.8%	82.7%	79.5%	70.4%	78.8%	92.2%	99.6%
<u>Distance</u>												
Mile from Closest VA Medical Center, mean	27.96	20.58	38.26	41.91	23.92	38.64	36.09	50.70	47.26	67.17	26.25	15.39
SD	56.25	39.74	46.94	45.23	28.78	35.74	49.38	74.62	55.06	240.07	40.69	19.59
Miles from Closest VA Service Site, mean	10.01	8.32	16.22	14.01	10.51	16.20	8.84	10.02	11.87	12.48	7.52	5.30
SD	12.28	11.82	19.11	16.03	12.01	15.38	9.58	12.94	17.37	24.66	8.95	6.35

**Table 2D: FY01 Patients w/ Bipolar Disorder, Patient Characteristics, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Bipolar Disorder	65556	4263	2240	2438	3589	1551	2558	3093	5575	2814	2754	2644
<u>Registry Pts. History of VA Utilization</u>												
Years since first use in prior ten years, mean	6.88	7.14	6.61	6.99	6.60	6.98	6.82	6.76	6.77	6.74	6.88	6.91
SD	3.50	3.46	3.55	3.42	3.55	3.41	3.52	3.50	3.57	3.58	3.54	3.57
Yrs with 24-hour institutional use / yrs since 1st use, %	26.8%	26.8%	26.6%	26.7%	25.9%	30.0%	29.0%	25.3%	24.1%	27.7%	26.0%	27.2%
SD	26.8%	27.2%	28.0%	28.4%	26.6%	28.3%	27.6%	26.4%	25.4%	26.7%	26.8%	27.7%
Years with OP use / Years since first use, %	87.2%	89.3%	87.0%	88.6%	87.4%	86.2%	86.6%	86.1%	86.7%	86.8%	86.8%	86.7%
SD	21.1%	19.8%	20.6%	20.0%	20.9%	21.2%	21.8%	21.7%	21.7%	21.7%	21.6%	22.1%
<u>GAF scores</u>												
Lowest inpatient GAF score, mean	40.12	33.53	42.57	37.90	44.58	41.24	44.41	42.72	37.44	39.69	41.23	44.97
SD	13.86	14.20	10.08	12.80	10.76	10.56	10.63	14.48	16.09	13.33	12.07	15.87
Mean outpatient GAF score	53.33	50.52	52.37	54.24	54.18	52.76	55.67	53.94	54.70	53.84	55.22	57.76
SD	11.32	11.41	9.48	10.11	10.76	10.86	10.42	9.24	11.35	11.13	11.45	10.60
At least 1 IP GAF, among pts with MH bedsections, %	39.6%	37.0%	57.7%	64.2%	31.7%	39.5%	27.5%	34.3%	25.3%	34.7%	50.6%	32.8%
At least 1 OP GAF, among pts with MH clinic stops, %	85.2%	88.1%	86.6%	87.3%	81.1%	72.9%	88.5%	90.0%	86.4%	82.9%	85.9%	88.5%
<u>Mortality rates</u>												
died in FY 01, %	1.5%	1.4%	1.6%	1.2%	1.8%	1.4%	1.1%	1.6%	1.6%	1.6%	1.4%	1.8%
Age-and-gender-adjusted Standardized Mortality Ratio	1.09	0.90	1.24	0.67	1.24	1.21	0.83	1.26	1.01	1.29	1.13	1.34

**Table 2D: FY01 Patients w/ Bipolar Disorder, Patient Characteristics, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Bipolar Disorder	65556	3112	1882	1105	3018	3989	2836	3013	2561	3593	2739	4189
<u>Registry Pts. History of VA Utilization</u>												
Years since first use in prior ten years, mean	6.88	7.19	7.25	7.39	7.06	6.89	6.85	6.84	6.81	6.88	6.66	6.75
SD	3.50	3.38	3.39	3.37	3.49	3.49	3.50	3.44	3.50	3.42	3.55	3.48
Yrs with 24-hour institutional use / yrs since 1st use, %	26.8%	33.1%	31.3%	28.2%	30.6%	26.3%	28.9%	25.2%	25.3%	26.8%	23.5%	23.6%
SD	26.8%	28.6%	27.7%	27.2%	28.0%	25.5%	27.7%	25.7%	25.5%	26.7%	25.1%	25.0%
Years with OP use / Years since first use, %	87.2%	87.4%	89.7%	89.3%	88.6%	86.2%	85.9%	87.0%	85.8%	86.8%	87.6%	86.7%
SD	21.1%	20.5%	18.6%	20.1%	19.5%	21.6%	21.9%	21.0%	21.7%	20.8%	20.6%	21.5%
<u>GAF scores</u>												
Lowest inpatient GAF score, mean	40.12	39.88	44.32	37.10	47.98	33.39	42.77	42.94	38.13	36.75	39.84	39.09
SD	13.86	11.60	12.16	10.09	14.03	16.25	14.40	11.44	15.94	13.56	12.82	14.36
Mean outpatient GAF score	53.33	50.92	56.57	54.44	55.33	53.58	52.75	52.89	50.33	49.12	55.04	50.46
SD	11.32	12.77	10.97	11.24	11.53	11.48	10.11	10.82	11.53	10.94	10.11	13.77
At least 1 IP GAF, among pts with MH bedsections, %	39.6%	61.3%	51.9%	54.8%	33.4%	54.8%	49.5%	22.2%	26.4%	43.9%	30.7%	
At least 1 OP GAF, among pts with MH clinic stops, %	85.2%	83.0%	82.3%	92.0%	84.6%	96.8%	89.1%	86.2%	85.2%	86.2%	84.4%	68.1%
<u>Mortality rates</u>												
died in FY 01, %	1.5%	1.2%	2.3%	1.0%	1.5%	1.5%	1.5%	1.4%	1.8%	1.1%	1.2%	1.2%
Age-adjusted Standardized Mortality Ratio	1.09	0.86	1.59	0.69	1.09	1.28	1.30	1.08	1.52	0.97	0.92	0.94

**Table 2D: FY01 Patients w/ Bipolar Disorder, Patient Characteristics, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Bipolar Disorder	65556	4263	2240	2438	3589	1551	2558	3093	5575	2814	2754	2644
<u>Service Connection (SC)</u>												
Non-SC	56.4%	55.5%	60.4%	59.4%	58.1%	55.1%	47.7%	53.0%	54.1%	56.6%	59.9%	61.5%
SC 0 - 29%	10.3%	9.3%	10.4%	9.5%	10.8%	8.6%	10.4%	10.9%	10.8%	11.2%	10.6%	10.8%
SC 30 - 69%	13.7%	12.5%	12.9%	14.6%	13.8%	14.9%	18.2%	17.0%	14.4%	13.6%	15.0%	12.6%
SC 70 - 99%	7.6%	9.3%	7.1%	6.2%	6.3%	7.3%	10.1%	8.0%	8.3%	6.2%	4.5%	5.0%
SC 100%	12.0%	13.3%	9.2%	10.3%	11.0%	14.1%	13.6%	11.2%	12.4%	12.4%	10.1%	10.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>VERA Patient Class, %</u>												
Complex*	14.0%	15.3%	19.4%	19.8%	13.2%	19.1%	12.2%	10.9%	9.8%	9.9%	15.4%	12.2%
Basic vested, Cat A*	80.0%	77.0%	73.2%	71.7%	80.8%	76.7%	83.0%	83.2%	83.4%	83.8%	79.7%	80.0%
Basic Non-vested, Cat A*	0.6%	0.7%	0.6%	0.4%	0.6%	0.5%	0.7%	0.4%	0.6%	0.7%	0.5%	1.5%
Basic, Cats C and N	5.4%	7.0%	6.8%	8.1%	5.3%	3.8%	4.0%	5.5%	6.1%	5.6%	4.3%	6.3%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
* Funded												
<u>Patient eligibility category, %</u>												
Cat A (SC or low income)	94.5%	92.9%	93.0%	91.7%	94.5%	95.9%	95.9%	94.4%	93.7%	94.3%	95.6%	93.4%
Cat C (NSC and higher income)	4.4%	5.5%	5.0%	7.3%	4.5%	3.0%	3.8%	5.1%	5.1%	3.8%	3.8%	6.0%
Non-Veteran	1.1%	1.6%	2.0%	0.9%	1.0%	1.1%	0.4%	0.5%	1.2%	1.8%	0.6%	0.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Substance Dependence and Abuse</u>												
Any dx of alcohol / drug dependence or abuse, %	32.5%	37.3%	42.1%	33.9%	30.0%	38.7%	26.6%	24.2%	27.2%	28.3%	32.8%	29.4%
<u>Homelessness</u>												
Homelessness indicated in FY01, %	15.0%	17.2%	15.7%	19.0%	12.3%	19.4%	12.6%	9.5%	11.9%	10.7%	11.2%	9.7%
<u>Residence in Metropolitan Area</u>												
Residing in a Metropolitan Statistical Area, %	78.6%	85.3%	75.3%	98.0%	83.0%	91.1%	72.0%	72.5%	79.4%	64.3%	81.0%	74.3%
<u>Distance</u>												
Mile from Closest VA Medical Center, mean	33.21	19.54	24.19	10.93	19.52	13.48	26.38	35.45	39.15	35.20	25.40	35.56
SD	74.30	22.99	22.79	10.83	17.56	16.29	22.88	28.99	34.50	30.89	20.23	31.06
Miles from Closest VA Service Site, mean	11.17	7.93	7.08	4.24	8.15	7.45	16.25	16.16	8.49	15.24	9.40	13.25
SD	14.23	7.87	7.12	4.22	7.19	6.91	13.80	14.45	8.46	13.19	8.61	11.69

**Table 2D: FY01 Patients w/ Bipolar Disorder, Patient Characteristics, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Bipolar Disorder	65556	3112	1882	1105	3018	3989	2836	3013	2561	3593	2739	4189
<u>Service Connection (SC)</u>												
Non-SC	56.4%	64.4%	55.9%	57.3%	61.0%	55.8%	51.0%	53.4%	51.7%	51.4%	56.1%	61.8%
SC 0 - 29%	10.3%	9.1%	9.8%	10.3%	11.0%	10.5%	10.7%	11.0%	11.4%	9.0%	9.4%	10.5%
SC 30 - 69%	13.7%	9.8%	14.1%	14.1%	11.1%	13.2%	15.6%	12.5%	15.4%	14.5%	13.1%	11.8%
SC 70 - 99%	7.6%	4.9%	7.1%	7.2%	6.2%	7.8%	8.4%	10.7%	8.3%	11.1%	8.7%	5.8%
SC 100%	12.0%	11.8%	13.1%	11.0%	10.7%	12.8%	14.3%	12.4%	13.2%	13.9%	12.7%	10.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>VERA Patient Class, %</u>												
Complex*	14.0%	26.7%	17.2%	16.5%	16.0%	10.9%	17.2%	8.8%	11.7%	14.4%	11.4%	11.7%
Basic vested, Cat A*	80.0%	68.1%	76.0%	76.3%	76.5%	84.4%	77.3%	85.8%	82.6%	82.5%	82.6%	83.6%
Basic Non-vested, Cat A*	0.6%	0.4%	0.6%	0.5%	0.7%	0.5%	0.4%	0.3%	0.3%	0.3%	0.8%	0.5%
Basic, Cats C and N	5.4%	4.7%	6.2%	6.7%	6.8%	4.3%	5.0%	5.1%	5.4%	2.8%	5.2%	4.2%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
* Funded												
<u>Patient eligibility category, %</u>												
Cat A (SC or low income)	94.5%	95.0%	93.6%	93.1%	92.8%	95.6%	94.9%	94.9%	94.5%	97.2%	94.7%	95.8%
Cat C (NSC and higher income)	4.4%	4.3%	4.9%	6.1%	5.1%	3.4%	3.4%	3.7%	4.6%	2.5%	3.4%	3.4%
Non-Veteran	1.1%	0.6%	1.4%	0.8%	2.1%	1.0%	1.8%	1.5%	0.9%	0.4%	1.9%	0.8%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Substance Dependence and Abuse</u>												
Any dx of alcohol / drug dependence or abuse, %	32.5%	40.8%	41.7%	30.2%	33.7%	29.3%	31.5%	30.6%	29.9%	37.1%	34.1%	33.2%
<u>Homelessness</u>												
Homelessness indicated in FY01, %	15.0%	20.4%	11.9%	10.0%	16.0%	13.4%	18.0%	13.8%	11.1%	20.3%	16.3%	21.9%
<u>Residence in Metropolitan Area</u>												
Residing in a Metropolitan Statistical Area, %	78.6%	83.7%	59.9%	52.0%	64.9%	72.9%	82.0%	78.8%	73.7%	73.5%	85.3%	99.4%
<u>Distance</u>												
Mile from Closest VA Medical Center, mean	33.21	21.23	43.85	44.65	27.85	42.24	37.76	38.61	43.43	85.37	34.57	18.37
SD	74.30	25.63	50.80	44.72	31.69	37.22	45.78	56.26	51.54	276.96	44.80	23.30
Miles from Closest VA Service Site, mean	11.17	8.67	18.31	15.55	12.28	17.34	10.29	10.21	12.50	16.35	9.61	6.43
SD	14.23	9.58	20.28	16.73	12.95	15.63	10.02	12.59	17.90	32.99	12.26	7.68

**Table 2E: FY01 Patients w/ Other Psychoses, Patient Characteristics, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Other Psychoses	32380	1360	713	1199	1287	909	1574	1900	3060	1731	1129	987
<u>Registry Pts. History of VA Utilization</u>												
Years since first use in prior ten years, mean	6.61	7.15	6.56	6.64	5.80	6.60	6.45	6.69	643.5%	6.81	6.10	6.47
SD	3.75	3.61	3.82	3.72	3.90	3.76	3.75	3.64	385.4%	3.64	4.01	3.79
Yrs with 24-hour institutional use / yrs since 1st use, %	23.9%	23.9%	24.4%	20.8%	25.5%	26.8%	24.2%	24.2%	20.2%	25.6%	24.3%	25.4%
SD	25.1%	24.6%	24.9%	24.2%	27.8%	26.6%	25.0%	25.6%	23.7%	25.7%	25.1%	26.6%
Years with OP use / Years since first use, %	86.7%	90.6%	88.3%	88.3%	85.9%	86.2%	85.6%	85.5%	0.86	85.6%	85.5%	87.8%
SD	22.1%	18.8%	21.8%	20.5%	22.3%	22.0%	23.2%	23.2%	0.22	23.4%	23.4%	21.4%
<u>GAF scores</u>												
Lowest inpatient GAF score, mean	38.07	34.92	38.55	36.18	43.03	38.50	42.44	41.48	34.28	38.46	41.04	41.58
SD	13.79	12.10	10.01	12.39	12.52	11.15	10.41	14.18	16.85	13.83	9.50	13.73
Mean outpatient GAF score	48.46	45.72	47.76	49.83	48.34	46.63	49.42	50.14	49.67	48.34	49.72	50.91
SD	12.06	12.06	10.72	11.19	11.64	11.20	11.54	10.08	12.85	11.95	12.63	12.91
At least 1 IP GAF, among pts with MH bedsections, %	38.5%	33.3%	51.2%	61.7%	29.6%	40.1%	29.0%	37.0%	28.6%	33.2%	45.1%	29.9%
At least 1 OP GAF, among pts with MH clinic stops, %	81.3%	82.3%	80.1%	82.2%	77.4%	71.1%	80.3%	87.1%	78.6%	82.0%	79.0%	84.2%
<u>Mortality rates</u>												
died in FY 01, %	6.0%	5.1%	7.0%	3.7%	8.9%	5.9%	6.9%	7.1%	6.0%	6.3%	6.0%	6.6%
Age-and-gender-adjusted Standardized Mortality Ratio	1.42	1.11	1.45	0.80	1.87	1.33	1.52	1.88	1.28	1.53	1.34	1.77

**Table 2E: FY01 Patients w/ Other Psychoses, Patient Characteristics, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Other Psychoses	32380	1270	736	356	1889	3432	1657	1586	782	1351	1619	1853
<u>Registry Pts. History of VA Utilization</u>												
Years since first use in prior ten years, mean	6.61	6.96	6.48	6.88	6.64	6.73	6.74	6.71	659.5%	6.85	6.44	6.60
SD	3.75	3.53	3.91	3.73	3.78	3.72	3.76	3.73	370.9%	3.54	3.66	3.73
Yrs with 24-hour institutional use / yrs since 1st use, %	23.9%	28.4%	27.7%	26.3%	26.0%	22.3%	24.5%	23.8%	25.6%	24.1%	22.7%	20.9%
SD	25.1%	26.5%	25.8%	25.3%	25.1%	23.6%	26.0%	24.2%	26.0%	25.8%	25.0%	23.2%
Years with OP use / Years since first use, %	86.7%	88.4%	87.9%	89.4%	88.0%	85.8%	86.2%	88.2%	0.85	85.4%	85.6%	86.0%
SD	22.1%	20.3%	21.1%	20.1%	20.7%	22.9%	22.9%	21.2%	0.23	22.1%	22.8%	22.1%
<u>GAF scores</u>												
Lowest inpatient GAF score, mean	38.07	38.21	40.93	37.76	43.25	33.59	42.61	40.14	32.18	35.44	38.58	34.65
SD	13.79	11.97	17.70	11.98	10.81	15.14	13.39	12.95	14.07	12.87	13.53	14.19
Mean outpatient GAF score	48.46	47.58	51.18	48.19	48.79	48.80	48.25	48.93	43.51	44.47	50.52	45.61
SD	12.06	12.07	12.35	11.93	11.92	12.50	11.56	11.63	11.35	10.26	11.25	14.01
At least 1 IP GAF, among pts with MH bedsections, %	38.5%	54.3%	50.0%	55.4%	21.9%	56.3%	42.6%	27.2%	29.4%	42.7%	26.4%	29.9%
At least 1 OP GAF, among pts with MH clinic stops, %	81.3%	85.0%	74.4%	82.8%	79.3%	94.3%	83.6%	81.4%	81.5%	81.3%	79.4%	64.5%
<u>Mortality rates</u>												
died in FY 01, %	6.0%	5.0%	7.9%	6.2%	6.2%	5.7%	5.3%	8.4%	7.4%	4.4%	4.0%	4.5%
Age-adjusted Standardized Mortality Ratio	1.42	1.29	1.98	1.62	1.43	1.40	1.18	1.71	1.69	1.51	1.16	1.14

**Table 2E: FY01 Patients w/ Other Psychoses, Patient Characteristics, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Other Psychoses	32380	1360	713	1199	1287	909	1574	1900	3060	1731	1129	987
<u>Service Connection (SC)</u>												
Non-SC	60.6%	55.9%	63.5%	63.5%	64.2%	68.8%	56.5%	57.5%	57.1%	58.6%	68.9%	66.8%
SC 0 - 29%	10.9%	10.1%	10.9%	10.8%	10.5%	11.0%	10.4%	11.3%	11.1%	10.0%	11.8%	11.0%
SC 30 - 69%	11.7%	12.1%	10.7%	10.0%	11.8%	9.2%	15.5%	12.4%	11.9%	12.9%	10.7%	10.9%
SC 70 - 99%	6.0%	7.1%	6.3%	5.5%	5.6%	3.5%	7.1%	7.6%	5.7%	4.9%	3.5%	3.6%
SC 100%	10.9%	14.9%	8.6%	10.3%	7.9%	7.5%	10.6%	11.3%	14.2%	13.6%	5.0%	7.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>VERA Patient Class, %</u>												
Complex*	18.3%	20.1%	29.5%	14.5%	22.5%	26.7%	18.0%	18.6%	15.7%	14.8%	20.1%	19.3%
Basic vested, Cat A*	75.1%	73.6%	61.3%	77.0%	68.2%	65.6%	76.2%	75.6%	76.4%	80.9%	72.5%	74.2%
Basic Non-vested, Cat A*	0.7%	0.4%	1.5%	0.3%	1.2%	1.5%	0.6%	1.0%	0.9%	0.6%	0.9%	1.0%
Basic, Cats C and N	5.8%	5.8%	7.7%	8.2%	8.0%	6.2%	5.2%	4.7%	7.0%	3.7%	6.6%	5.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
* Funded												
<u>Patient eligibility category, %</u>												
Cat A (SC or low income)	93.6%	93.5%	90.9%	91.3%	90.4%	93.0%	94.2%	95.0%	92.5%	95.9%	93.0%	94.0%
Cat C (NSC and higher income)	5.7%	5.4%	8.1%	7.7%	8.8%	6.4%	5.6%	4.7%	6.6%	3.5%	6.6%	5.5%
Non-Veteran	0.7%	1.1%	1.0%	1.0%	0.8%	0.7%	0.2%	0.3%	1.0%	0.6%	0.4%	0.5%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Substance Dependence and Abuse</u>												
Any dx of alcohol / drug dependence or abuse, %	20.6%	21.3%	19.1%	21.2%	19.0%	24.4%	17.0%	19.8%	13.1%	15.5%	21.6%	23.3%
<u>Homelessness</u>												
Homelessness indicated in FY01, %	9.7%	8.9%	8.6%	10.5%	7.8%	12.8%	5.9%	7.2%	5.9%	4.9%	11.2%	9.7%
<u>Residence in Metropolitan Area</u>												
Residing in a Metropolitan Statistical Area, %	75.4%	74.4%	78.9%	98.8%	82.6%	90.9%	67.7%	69.2%	75.8%	59.4%	85.4%	72.7%
<u>Distance</u>												
Mile from Closest VA Medical Center, mean	33.68	22.20	20.95	9.10	16.81	13.01	29.02	31.74	37.82	35.11	24.61	29.09
SD	73.24	23.89	21.56	10.37	16.04	16.42	23.26	27.04	32.96	30.84	20.09	30.48
Miles from Closest VA Service Site, mean	11.73	8.96	7.21	3.44	7.64	6.82	17.83	16.23	8.84	16.35	8.44	12.75
SD	14.53	9.60	7.49	3.76	6.82	7.04	14.09	14.79	8.79	13.85	8.55	12.36

**Table 2E: FY01 Patients w/ Other Psychoses, Patient Characteristics, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Other Psychoses	32380	1270	736	356	1889	3432	1657	1586	782	1351	1619	1853
<u>Service Connection (SC)</u>												
Non-SC	60.6%	69.4%	61.8%	68.3%	66.6%	58.5%	56.2%	57.3%	58.7%	54.0%	59.4%	63.5%
SC 0 - 29%	10.9%	9.9%	9.0%	7.6%	9.5%	11.6%	11.5%	11.7%	9.5%	12.1%	10.8%	12.1%
SC 30 - 69%	11.7%	9.4%	11.4%	10.4%	11.3%	11.9%	12.7%	12.4%	9.8%	12.8%	11.1%	10.8%
SC 70 - 99%	6.0%	4.2%	5.0%	5.6%	3.6%	6.1%	8.1%	7.9%	7.4%	9.0%	7.0%	4.6%
SC 100%	10.9%	7.1%	12.8%	8.1%	9.0%	11.9%	11.5%	10.7%	14.6%	12.1%	11.7%	9.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>VERA Patient Class, %</u>												
Complex*	18.3%	24.3%	21.5%	20.8%	14.7%	14.1%	18.0%	20.2%	21.1%	19.2%	19.8%	15.3%
Basic vested, Cat A*	75.1%	69.4%	67.8%	69.4%	77.3%	80.1%	76.4%	74.1%	71.1%	77.1%	75.7%	79.3%
Basic Non-vested, Cat A*	0.7%	0.4%	0.3%	0.8%	0.8%	0.7%	0.7%	0.2%	0.9%	0.6%	0.8%	0.6%
Basic, Cats C and N	5.8%	5.9%	10.5%	9.0%	7.2%	5.2%	4.9%	5.4%	6.9%	3.0%	3.8%	4.9%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
* Funded												
<u>Patient eligibility category, %</u>												
Cat A (SC or low income)	93.6%	93.4%	88.5%	90.7%	92.3%	94.6%	94.5%	93.9%	92.2%	96.8%	95.7%	94.7%
Cat C (NSC and higher income)	5.7%	6.1%	9.9%	8.7%	6.7%	4.6%	5.0%	5.3%	7.4%	3.0%	3.6%	4.9%
Non-Veteran	0.7%	0.6%	1.6%	0.6%	1.0%	0.8%	0.5%	0.8%	0.4%	0.2%	0.7%	0.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Substance Dependence and Abuse</u>												
Any dx of alcohol / drug dependence or abuse, %	20.6%	27.9%	24.7%	20.5%	19.5%	17.8%	17.4%	18.5%	20.8%	31.2%	32.7%	24.4%
<u>Homelessness</u>												
Homelessness indicated in FY01, %	9.7%	10.6%	8.8%	5.3%	9.8%	7.4%	9.1%	9.0%	6.4%	21.4%	17.7%	17.1%
<u>Residence in Metropolitan Area</u>												
Residing in a Metropolitan Statistical Area, %	75.4%	81.4%	53.5%	48.2%	61.4%	68.2%	75.0%	77.0%	68.8%	73.8%	88.7%	99.3%
<u>Distance</u>												
Mile from Closest VA Medical Center, mean	33.68	23.09	44.92	49.43	28.85	40.50	38.59	43.36	49.15	97.80	29.54	20.14
SD	73.24	26.28	48.65	49.26	32.88	34.51	47.86	63.11	54.86	308.06	41.94	25.35
Miles from Closest VA Service Site, mean	11.73	8.65	18.92	16.84	12.42	17.43	10.68	10.95	13.68	15.09	8.64	6.07
SD	14.53	9.49	20.14	17.92	13.24	15.56	10.90	13.35	19.68	34.86	11.84	6.86



## **Chapter 3**

### **Utilization**

#### **Background**

The VA, like other health care systems, continues to move towards an outpatient-based model of service delivery. In response to the move away from inpatient care, the Veterans Eligibility Reform Act of 1996 (Public Law 104-262) was passed, requiring the Under Secretary for Health, Department of Veterans Affairs, to receive annual reports on the VHA's capacity to effectively meet the treatment and rehabilitation needs of severely chronically mentally ill veterans. The First Annual Report submitted by the Committee on Care of Severely Chronically Mentally Ill Veterans Affairs "stresses the need to ensure that adequate community based programs are made available for the severely chronically mentally ill veteran" (Committee on Care of Severely Chronically Mentally Ill Veterans, 1997).

Research suggests that cost-efficient care for patients with long-term disability requires an optimal mix of acute care, extended care, residential services, and outpatient clinical services (Rothbard, Kuno, Schinnar, Hadley, & Turk, 1999). The VA has sought to integrate service provision. The goal of coordinated care is that interventions are provided "when they will have their greatest effectiveness and in a way that promotes efficiency" (Kizer, 1996). To inform the VA on the current ability of the system to provide this array of services, we report specific utilization data for a wide range of 24 hour institutional services (hospital based medical and psychiatric care, residential rehabilitation, domiciliary and nursing home care), as well as a variety of outpatient care settings (general psychiatry, psychiatric case management and day treatment, substance abuse and PTSD and psychiatric vocational rehabilitation).

Reflecting increased concerns regarding medical care for VA patients with psychosis, this report now includes two measures regarding primary care utilization. These are: 1) the percentage of patients with psychoses who had at least one primary care stop during the fiscal year, and 2) the mean number of outpatient visit days that included a primary care stop, among patients who had some primary care. Since many preventive screenings are recommended annually for older people, with a populations whose average is 54 one would strive for close to a 100% incidence of an annual primary care stop. The CDC's "Summary Health Statistics for U.S. Adults: National Health Interview Survey, 1997" found that 81% of adults see a doctor or other health care professional (although the type of care sought is not specified) in a year (Centers for Disease Control, 2002). This percentage jumps to 91% for people over 65. We would expect the NPR percentages to be in the same range or higher since they, unlike the CDC population, have already sought health care.

All utilization data were obtained from the nationwide VA Patient Treatment File (PTF) and Outpatient Care Files (OPC) located at the Austin Automation Center in Austin, Texas.

#### **Findings**

##### **Inpatient Care:**

- Admissions continue to decrease slightly, by 0.5% from FY00 to FY01 and 6% since FY99.
- From FY99 to FY01, total inpatient days decreased 23.8%, from 35.0 to 28.3 to 26.7.
- The percentage of patients with stays of over 100 days showed a smaller reduction (4.8% to 3.6% to 3.4%).

##### **Inpatient Psychiatric Care:**

- Psychiatric admissions continue to drop, though less sharply than before (-2.7% from FY00 to FY01, -20% since FY99).
- Total psychiatric inpatient days dropped 8.3% from FY00 to FY01 and 29.2% since FY99.
- The percentage of patients with stays of over 100 days continues to drop from 3.9% to 3% to 2.6%.

#### Inpatient Rehabilitation:

- Total days rose dramatically, 19.7% since last year and 32.9% overall.
- The percentage of patients with stays of over 100 days rose from 2.7% to 4% to 6%.

#### Inpatient Domiciliary Care:

- Total days has shown a steady decrease, 4.3% since last year and 9% overall.
- Percentage of patients with stays of over 100 days is still high but has declined to 29.4%.

#### Inpatient Nursing Home Care:

- There was a 10.2% increase in total days after 19% decrease in last year.

#### Outpatient Care:

- 73% of patients had a Primary Care stop in FY01.
- Total outpatient visits fell 4% from last year, after a 0.5% decrease the year before.
- Total outpatient stops decreased 9.8% since FY00 and 26.6% since FY99.
- Overall decrease in stops from FY99 to FY01:
  - medical stops, 33.6%
  - psychiatric stops, 17.5%
  - case management stops, 4.2%
  - day treatment stops, 18.8%
  - substance abuse stops, 8.9%
- There was substantial variability across VISNs observed for numerous measures:
  - percentage of patients with inpatient psychiatric care, from a high of 24.7 to a low of 12.8
  - percentage of patients with an inpatient psychiatric stay of over 150 days, from a high of 5.8 to a low of 0.0
  - cumulative days of inpatient psychiatric care, from a low of 7.35 to a high of 34.13
  - percentage of patients with at least one primary care stop, 79.9 to 58.5
  - average number of case management clinic stops, from a high of 4.4 to a low of .04
  - average number of overall clinic stops, which ranged from 29.2 to 58.7
- Overall, there was low use of case management with average of only 1.37 stops per patient.
- 18.7% of patients received inpatient psychiatric care. The mean average length of stay was 20.29 days.
- 9.1% of patients received residential rehabilitation, domiciliary/vocational or nursing home care.

## Tables

For each group (Global, All Diagnoses by VISN, Schizophrenic by VISN, Bipolar by VISN and Other Diagnoses by VISN) the utilization tables are organized as follows. For exact stop codes and bed sections, see Appendix C.

1. Hospital based utilization, (based on the patient's bed section at discharge)
  - a. psych and non-psych- reported for those with some hospital based utilization
    - i. non-psych- reported for those with some hospital based utilization
    - ii. psych- reported for those with some hospital based utilization
2. Other 24 hour institutional care (based on the patient's bed section at discharge)
  - a. res rehab- reported for those with some res rehab
  - b. dom and voc- reported for those with some dom or voc
  - c. nursing home- reported for those with some nursing home
3. Outpatient care- all variables reported for those with some outpatient care
  - a. annual clinic stops
  - b. non-psych clinic stops
  - c. psych clinic stops
    - i. general psych clinic stops
    - ii. psych case management clinic stops
    - iii. psych day treatment clinic stops
    - iv. substance abuse clinic stops
    - v. psych vocational clinic stops
    - vi. PTSD clinic stops
    - vii. psych homeless clinic stops

Table 3A	FY01 Patients w/ Psychosis, Utilization, by Diagnosis Grouping	71
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Table 3E	FY01 Patients w/ Other Psychoses, Utilization, by VISN	126



**Table 3A: FY01 Patient w/ Psychosis, Utilization, by Diagnosis Grouping**

	All	Schizophrenia	Bipolar	Other
Entire Population	196675	98739	65556	32380
<b><u>Hospital Based Utilization</u></b>				
Pts. with some Hospital Based Utilization, %	29.9%	28.8%	28.6%	36.2%
<b><u>Hospital based utilization: Overall</u></b>				
(psych & non-psych- for those with some hosp.util.)				
Inpatient stays, mean	1.88	1.88	1.88	1.88
<i>SD</i>	<i>1.51</i>	<i>1.51</i>	<i>1.55</i>	<i>1.44</i>
Average LOS, mean	16.16	21.07	11.60	11.58
<i>SD</i>	<i>38.17</i>	<i>49.42</i>	<i>23.12</i>	<i>20.77</i>
Cumu. DOS, mean	26.71	33.51	20.40	20.30
<i>SD</i>	<i>48.76</i>	<i>60.66</i>	<i>33.57</i>	<i>31.74</i>
Cumu. DOS, %				
1 to 7	35.9%	32.0%	40.7%	37.5%
8 to 14	21.3%	20.4%	21.4%	23.2%
15 to 44	28.9%	29.8%	27.5%	29.0%
45 to 89	8.3%	9.7%	6.9%	7.2%
90 to 179	3.4%	4.5%	2.6%	2.2%
180 to 359	1.4%	2.1%	0.7%	0.7%
360+	0.8%	1.5%	0.2%	0.1%
Total	100.0%	100.0%	100.0%	100.0%
Hosp. pts. with a 100+ day Hosp. stay, %	3.4%	5.1%	1.8%	1.6%
Cumul. DOS, pts. with a 100+ day hosp. stay, mean	235.84	250.15	196.53	196.16
<i>SD</i>	<i>96.02</i>	<i>96.02</i>	<i>97.64</i>	<i>80.33</i>
Hosp. pts. with a 150+ day hosp. stay, %	2.1%	3.3%	0.9%	0.9%
Cumul. DOS, pts. with a 150+ day hosp. stay, mean	289.98	302.91	249.46	239.25
<i>SD</i>	<i>76.99</i>	<i>73.34</i>	<i>73.39</i>	<i>71.57</i>
Cumu. DOS at Other VISNs	1.18	1.21	1.40	0.75
<i>SD</i>	<i>8.17</i>	<i>9.09</i>	<i>8.26</i>	<i>5.10</i>
Cumu. DOS at Other Stations	2.55	2.74	2.80	1.71
<i>SD</i>	<i>10.44</i>	<i>11.76</i>	<i>10.02</i>	<i>7.13</i>

**Table 3A: FY01 Patient w/ Psychosis, Utilization, by Diagnosis Grouping (continued)**

	All	Schizophrenia	Bipolar	Other
Entire Population	196675	98739	65556	32380
<u>Hospital based utilization: Non-Psych</u>				
( non-psych- for those with some hosp.based util.)				
Pts. with non-psych hospital stays, %	14.5%	12.3%	12.7%	24.7%
Inpatient stays, mean	0.80	0.69	0.71	1.23
SD	1.18	1.11	1.11	1.37
Average LOS, mean	10.28	11.07	8.97	10.42
SD	22.79	25.33	21.42	19.85
Cumu. Days of Stay, mean	7.76	7.17	6.01	11.97
SD	22.19	22.75	19.12	24.74
Cumu. Days of Stay, %				
0	51.6%	57.2%	55.5%	31.8%
1 to 7	25.7%	22.9%	27.2%	30.0%
8 to 14	8.9%	7.6%	7.2%	15.1%
15 to 44	10.1%	8.9%	7.4%	17.4%
45 to 89	2.4%	2.2%	1.7%	4.1%
90 to 179	1.0%	0.9%	0.8%	1.3%
180 to 359	0.3%	0.3%	0.2%	0.4%
360+	0.0%	0.1%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day non-psych hosp.stay, %	0.8%	0.8%	0.7%	0.9%
Non-psy DOS, pts w/ 100+ day non-psy hosp stay, mean	183.72	191.99	169.60	183.74
SD	78.10	86.32	67.63	69.74
Hosp. Pts. with a 150+ day non-psych hosp.stay, %	0.4%	0.4%	0.3%	0.5%
Non-psy DOS, pts w/ 150+ day non-psy hosp stay, mean	238.47	258.13	219.76	221.52
SD	73.53	76.90	66.92	64.88
Other VISN cumu. DOS, mean	0.29	0.22	0.33	0.40
SD	3.35	2.80	3.87	3.66
Other station cumu. DOS, mean	0.71	0.65	0.70	0.87
SD	4.71	4.59	4.76	4.88

**Table 3A: FY01 Patient w/ Psychosis, Utilization, by Diagnosis Grouping (continued)**

	All	Schizophrenia	Bipolar	Other
Entire Population	196675	98739	65556	32380
<u>Hospital based utilization: Psychiatric</u> ( psych- for those with some hosp.based util.)				
Pts. with psych hospital stays, %	18.7%	19.4%	19.7%	14.8%
Inpatient stays, mean	1.08	1.19	1.18	0.65
<i>SD</i>	<i>1.37</i>	<i>1.42</i>	<i>1.39</i>	<i>1.12</i>
Average LOS, mean	20.29	26.61	13.28	13.89
<i>SD</i>	<i>45.41</i>	<i>57.66</i>	<i>24.75</i>	<i>24.08</i>
Cumu. Days of Stay, mean	18.95	26.34	14.39	8.33
<i>SD</i>	<i>45.45</i>	<i>58.28</i>	<i>28.98</i>	<i>22.85</i>
Cumu. Days of Stay, %				
0	37.3%	32.5%	31.1%	59.1%
1 to 7	18.7%	16.6%	24.4%	14.5%
8 to 14	14.6%	15.0%	16.7%	10.5%
15 to 44	19.7%	22.1%	20.9%	12.0%
45 to 89	5.5%	7.2%	4.8%	2.8%
90 to 179	2.3%	3.5%	1.5%	0.8%
180 to 359	1.1%	1.8%	0.5%	0.3%
360+	0.7%	1.4%	0.1%	0.1%
Total	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day psych hosp.stay, %	2.6%	4.4%	1.1%	0.6%
Psych DOS, pts w/ 100+ day psych hosp stay, mean	245.27	254.85	204.81	202.42
<i>SD</i>	<i>97.46</i>	<i>97.91</i>	<i>83.77</i>	<i>85.19</i>
Hosp. Pts. with a 150+ day psych hosp.stay, %	1.7%	2.9%	0.6%	0.4%
Psych DOS, pts w/ 150+ day psych hosp stay, mean	297.34	304.90	257.85	254.00
<i>SD</i>	<i>75.48</i>	<i>73.13</i>	<i>74.65</i>	<i>77.60</i>
Other VISN cumu. DOS, mean	0.89	0.99	1.07	0.35
<i>SD</i>	<i>7.32</i>	<i>8.54</i>	<i>7.12</i>	<i>3.41</i>
Other station cumu. DOS, mean	1.86	2.11	2.11	0.84
<i>SD</i>	<i>9.24</i>	<i>10.79</i>	<i>8.65</i>	<i>5.08</i>

**Table 3A: FY01 Patient w/ Psychosis, Utilization, by Diagnosis Grouping (continued)**

	All	Schizophrenia	Bipolar	Other
Entire Population	196675	98739	65556	32380
<b>Other 24 hour institutional care</b>				
Pts. with some other 24 hour institutional care, %	9.1%	8.1%	9.0%	12.4%
<u>Residential Rehabilitation</u>				
(reported for those with some res rehab care)				
Pts. with some residential rehab. care, %	1.7%	1.4%	2.4%	1.2%
Number stays, mean	1.11	1.12	1.11	1.13
<i>SD</i>	0.35	0.35	0.33	0.38
Average LOS, mean	37.81	46.63	32.63	28.50
<i>SD</i>	49.08	65.90	31.95	30.74
Cumu. DOS, mean	41.45	50.55	36.05	32.03
<i>SD</i>	51.97	68.30	36.05	33.99
Cumu. Days of Stay, %				
1 to 7	10.8%	11.3%	10.3%	11.1%
8 to 14	11.7%	11.4%	10.6%	17.4%
15 to 44	52.6%	47.2%	56.8%	54.4%
45 to 89	16.3%	17.2%	16.6%	12.2%
90 to 179	5.8%	7.6%	4.6%	4.1%
180 to 359	1.8%	3.3%	0.8%	0.8%
360+	0.9%	1.9%	0.3%	0.0%
Total	100.0%	100.0%	100.0%	100.0%
Res Rehab pts with 100+ day Res Rehab stay, %	6.0%	9.9%	3.4%	3.1%
Cumul. DOS, pts. with a 100+ day R.R. stay, mean	204.14	221.19	170.85	166.33
<i>SD</i>	93.15	96.74	76.51	72.31
Res Rehab pts. with 150+ day Res Rehab stay, %	3.1%	6.2%	0.9%	1.3%
Cumul. DOS, pts. with a 150+ day R.R. stay, mean	268.66	273.44	257.53	221.80
<i>SD</i>	83.76	83.38	84.91	86.51
Other VISN cumu. DOS, mean	2.59	2.79	2.78	1.11
<i>SD</i>	16.21	18.11	16.18	6.12
Other station cumu. DOS, mean	5.21	4.65	5.86	4.53
<i>SD</i>	18.91	19.94	19.21	12.97

**Table 3A: FY01 Patient w/ Psychosis, Utilization, by Diagnosis Grouping (continued)**

	All	Schizophrenia	Bipolar	Other
Entire Population	196675	98739	65556	32380
<u>Domiciliary and Vocational</u>				
(reported for those with some dom/voc care)				
Pts. with some dom/voc care, %	3.4%	2.7%	5.0%	2.3%
Number stays, mean	1.18	1.15	1.21	1.16
<i>SD</i>	0.46	0.41	0.49	0.43
Average LOS, mean	81.66	92.16	75.30	71.94
<i>SD</i>	91.28	108.50	76.91	77.18
Cumu. DOS, mean	91.62	100.35	87.01	80.56
<i>SD</i>	96.70	112.16	84.60	83.26
Cumu. Days of Stay, %				
1 to 7	7.5%	8.8%	6.6%	6.9%
8 to 14	6.7%	6.2%	7.1%	6.7%
15 to 44	30.6%	31.4%	28.8%	35.3%
45 to 89	20.1%	19.2%	21.2%	18.8%
90 to 179	19.7%	15.3%	23.1%	20.7%
180 to 359	9.9%	9.3%	10.7%	8.7%
360+	5.4%	9.8%	2.5%	2.8%
Total	100.0%	100.0%	100.0%	100.0%
Dom. pts. with 100+ day Dom. stay, %	29.4%	30.0%	29.1%	28.6%
Cumul. DOS, pts. with a 100+ day Dom. stay, mean	213.34	244.96	192.39	188.20
<i>SD</i>	92.21	100.69	78.99	78.74
Dom. pts. with 150+ day Dom. stay, %	17.7%	21.3%	15.5%	14.8%
Cumul. DOS, pts. with a 150+ day Dom. stay, mean	265.68	291.60	242.33	239.75
<i>SD</i>	80.74	80.33	73.43	74.14
Other VISN cumu. DOS, mean	4.78	3.73	5.85	3.80
<i>SD</i>	23.10	21.72	24.68	20.40
Other station cumu. DOS, mean	7.16	6.26	8.22	5.72
<i>SD</i>	25.16	24.17	26.59	21.80

**Table 3A: FY01 Patient w/ Psychosis, Utilization, by Diagnosis Grouping (continued)**

Entire Population		All 196675	Schizophrenia 98739	Bipolar 65556	Other 32380
<u>Nursing Home Care</u>					
(reported for those with some nursing home care)					
Pts. with some nursing home care, %		4.4%	4.4%	2.2%	9.2%
Number stays, mean		1.24	1.20	1.22	1.32
<i>SD</i>		0.60	0.53	0.55	0.69
Average LOS, mean		99.20	131.74	90.92	56.09
<i>SD</i>		115.20	130.33	108.94	71.76
Cumu. DOS, mean		111.73	145.06	103.55	67.41
<i>SD</i>		121.02	134.71	116.47	80.65
Cumu. Days of Stay, %					
1 to 7		7.6%	6.0%	8.8%	9.4%
8 to 14		10.6%	8.5%	9.3%	14.3%
15 to 44		26.9%	21.7%	29.7%	33.3%
45 to 89		16.9%	14.3%	17.8%	20.3%
90 to 179		13.7%	14.4%	12.7%	13.0%
180 to 359		12.8%	16.4%	12.4%	7.8%
360+		11.5%	18.7%	9.4%	2.0%
Total		100.0%	100.0%	100.0%	100.0%
NH pts. with 100+ day NH stay, %		33.5%	45.5%	30.8%	17.4%
Cumul. DOS, pts. with a 100+ day NH stay, mean		259.10	272.47	254.31	212.68
<i>SD</i>		96.00	94.52	95.88	86.51
NH pts. with 150+ day NH stay, %		25.8%	37.5%	22.6%	10.5%
Cumul. DOS, pts. with a 150+ day NH stay, mean		295.59	302.27	295.35	261.44
<i>SD</i>		76.01	74.79	74.93	74.39
Other VISN cumu. DOS, mean		4.82	6.50	3.65	2.96
<i>SD</i>		31.94	39.69	25.32	19.80
Other station cumu. DOS, mean		5.59	7.37	4.66	3.46
<i>SD</i>		32.50	40.18	26.23	20.46

**Table 3A: FY01 Patient w/ Psychosis, Utilization, by Diagnosis Grouping (continued)**

	All	Schizophrenia	Bipolar	Other
Entire Population	196675	98739	65556	32380
<b><u>Outpatient utilization</u></b>				
(reported for those with some outpatient care)				
Pts. with some outpatient care, %	98.9%	98.3%	99.5%	99.5%
annual visit days, mean	26.25	28.52	25.30	21.31
SD	35.90	40.34	31.91	27.85
Outpatient visit days, %				
1-12	42.8%	42.3%	41.8%	46.5%
13-24	26.3%	25.6%	26.7%	27.5%
25-36	12.1%	11.9%	12.6%	12.1%
37-48	6.1%	5.9%	6.6%	5.5%
49+	12.7%	14.4%	12.4%	8.3%
Total	100.0%	100.0%	100.0%	100.0%
% of Outpatients who had some Primary Care (PC)	73.1%	69.4%	75.5%	79.7%
Mean PC visit days, among those with some PC	3.69	3.58	3.72	3.93
SD	3.29	3.23	3.29	3.39
Average number clinic stops per visit day, mean	1.51	1.46	1.54	1.58
SD	0.49	0.47	0.49	0.55
annual clinic stops (psych & non-psych), mean	40.78	43.50	40.19	33.75
SD	63.07	70.66	57.43	47.09
annual non-psych. clinic stops, mean	20.65	19.82	20.66	23.10
SD	28.23	30.46	25.34	26.61
annual psych. clinic stops (specific groupings below), mean	20.13	23.67	19.53	10.65
SD	47.94	54.01	43.20	34.34
1. general psych. clinic stops, mean	8.16	9.49	8.17	4.11
SD	15.48	17.78	13.67	9.72
2. psych. case management clinic stops, mean	1.37	2.25	0.64	0.20
SD	12.78	16.06	9.52	4.52
3. psych. day treatment clinic stops, mean	3.64	5.65	1.96	1.00
SD	24.77	31.13	17.21	12.62
4. substance abuse clinic stops, mean	3.77	3.09	4.99	3.35
SD	20.42	18.95	21.56	22.13
5. psych. vocational clinic stops, mean	2.03	2.26	2.27	0.83
SD	17.01	18.84	16.88	9.94
6. PTSD clinic stops, mean	0.64	0.47	0.87	0.72
SD	5.33	4.73	5.92	5.73
7. psych. homeless clinic stops, mean	0.49	0.45	0.61	0.38
SD	3.62	3.34	4.15	3.23
Other VISN OP visit days, mean	0.41	0.33	0.54	0.37
SD	2.63	2.29	3.18	2.37
Other station OP visit days, mean	1.53	1.40	1.85	1.28
SD	7.59	8.12	7.67	5.46



**Table 3B: FY01 All Patients, Utilization, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
All Patients	196675	10732	5783	9744	11261	5443	8299	11698	18161	8181	8666	8555
<b><u>Hospital Based Utilization</u></b>												
Patients with some Hospital Based Utilization, %	29.9%	28.0%	27.1%	28.5%	27.2%	37.3%	35.3%	30.6%	24.3%	35.7%	32.0%	30.5%
<b><u>Hospital based utilization: Overall</u></b> (psych & non-psych- for those with some hosp.util.)												
Inpatient stays, mean	1.88	1.95	1.85	1.91	1.79	2.11	2.04	1.79	1.85	1.90	1.90	1.81
<i>SD</i>	<i>1.51</i>	<i>1.64</i>	<i>1.57</i>	<i>1.46</i>	<i>1.30</i>	<i>1.72</i>	<i>1.74</i>	<i>1.38</i>	<i>1.50</i>	<i>1.52</i>	<i>1.47</i>	<i>1.41</i>
Average LOS, mean	16.16	21.27	13.92	26.47	18.26	20.41	18.33	19.26	8.89	15.63	14.65	29.11
<i>SD</i>	<i>38.17</i>	<i>54.02</i>	<i>30.62</i>	<i>54.77</i>	<i>43.99</i>	<i>49.70</i>	<i>44.33</i>	<i>47.76</i>	<i>12.00</i>	<i>40.87</i>	<i>22.81</i>	<i>68.78</i>
Cumulative DOS, mean	26.71	34.03	23.79	43.27	27.86	35.24	31.56	29.69	16.08	26.11	25.53	40.29
<i>SD</i>	<i>48.76</i>	<i>66.08</i>	<i>45.26</i>	<i>69.34</i>	<i>51.40</i>	<i>64.54</i>	<i>55.24</i>	<i>56.12</i>	<i>22.92</i>	<i>53.41</i>	<i>34.78</i>	<i>76.04</i>
Cumulative DOS, %												
1 to 7	35.9%	35.8%	37.1%	25.5%	32.9%	33.8%	30.4%	33.4%	44.6%	40.0%	30.1%	31.7%
8 to 14	21.3%	20.5%	20.3%	18.3%	21.4%	20.3%	21.3%	22.9%	22.0%	21.9%	22.1%	20.8%
15 to 44	28.9%	27.3%	31.3%	31.5%	31.5%	27.3%	31.6%	28.4%	25.9%	25.6%	32.8%	28.3%
45 to 89	8.3%	7.8%	7.1%	12.1%	8.7%	9.1%	9.3%	8.9%	5.7%	6.9%	9.9%	8.4%
90 to 179	3.4%	4.3%	2.4%	7.4%	3.1%	4.9%	4.3%	3.5%	1.5%	2.9%	4.0%	4.3%
180 to 359	1.4%	2.3%	0.8%	3.7%	1.3%	3.1%	2.0%	1.2%	0.2%	1.3%	1.2%	3.9%
360+	0.8%	2.0%	1.0%	1.5%	1.1%	1.5%	1.1%	1.6%	0.0%	1.4%	0.0%	2.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hospital patients with a 100+ day hospital stay, %	3.4%	6.0%	2.3%	7.2%	3.5%	6.4%	4.0%	4.1%	0.6%	3.4%	2.7%	8.2%
Cumul. DOS, patients with a 100+ day hosp. stay, mean	235.84	258.59	263.17	246.14	247.87	243.75	251.94	255.89	182.00	267.03	169.84	262.22
<i>SD</i>	<i>96.02</i>	<i>97.96</i>	<i>102.55</i>	<i>95.29</i>	<i>104.84</i>	<i>89.92</i>	<i>92.15</i>	<i>101.06</i>	<i>72.83</i>	<i>98.89</i>	<i>51.06</i>	<i>97.07</i>
Hospital patients who had a 150+ day hosp. stay, %	2.1%	4.1%	1.5%	4.6%	2.2%	4.3%	3.0%	2.7%	0.2%	2.5%	1.2%	6.2%
Cumul. DOS, patients with a 150+ day hosp. stay, mean	289.98	305.09	323.88	298.61	315.41	281.22	288.37	307.72	240.43	311.29	206.91	300.77
<i>SD</i>	<i>76.99</i>	<i>75.40</i>	<i>57.36</i>	<i>69.76</i>	<i>68.91</i>	<i>79.33</i>	<i>73.59</i>	<i>80.95</i>	<i>72.28</i>	<i>70.20</i>	<i>40.50</i>	<i>76.05</i>
Cumulative DOS at Other VISNs	1.18	0.36	1.01	0.61	0.68	0.83	0.64	0.92	0.50	0.91	0.62	0.39
<i>SD</i>	<i>8.17</i>	<i>3.30</i>	<i>5.34</i>	<i>4.46</i>	<i>4.55</i>	<i>5.42</i>	<i>4.12</i>	<i>5.70</i>	<i>4.61</i>	<i>8.12</i>	<i>4.34</i>	<i>3.40</i>
Cumulative DOS at Other Stations	2.55	2.67	1.01	3.41	2.64	3.12	2.28	2.47	0.90	1.32	2.38	2.18
<i>SD</i>	<i>10.44</i>	<i>9.38</i>	<i>5.34</i>	<i>11.03</i>	<i>8.08</i>	<i>11.30</i>	<i>8.00</i>	<i>8.91</i>	<i>5.30</i>	<i>8.86</i>	<i>8.22</i>	<i>8.58</i>

**Table 3B: FY01 All Patients, Utilization, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
All Patients	196675	8358	4712	2939	8800	15201	8247	7428	5508	8348	8754	11857
<b><u>Hospital Based Utilization</u></b>												
Patients with some Hospital Based Utilization, %	29.9%	34.1%	28.1%	28.8%	33.6%	31.5%	32.3%	30.8%	29.3%	30.8%	25.4%	25.7%
<b><u>Hospital based utilization: Overall</u></b> (psych & non-psych- for those with some hosp.util.)												
Inpatient stays, mean	1.88	1.98	1.96	1.80	1.96	1.78	1.95	1.84	1.84	1.81	1.89	1.77
<i>SD</i>	<i>1.51</i>	<i>1.69</i>	<i>1.57</i>	<i>1.34</i>	<i>1.63</i>	<i>1.33</i>	<i>1.70</i>	<i>1.38</i>	<i>1.32</i>	<i>1.37</i>	<i>1.59</i>	<i>1.43</i>
Average LOS, mean	16.16	20.76	8.16	9.49	12.78	13.73	20.71	7.88	13.16	9.85	12.08	13.86
<i>SD</i>	<i>38.17</i>	<i>47.96</i>	<i>14.75</i>	<i>9.74</i>	<i>22.71</i>	<i>20.67</i>	<i>48.65</i>	<i>8.64</i>	<i>26.71</i>	<i>18.83</i>	<i>19.56</i>	<i>21.07</i>
Cumulative DOS, mean	26.71	32.84	15.29	17.34	24.21	23.34	32.33	14.30	23.10	17.11	22.44	23.34
<i>SD</i>	<i>48.76</i>	<i>57.48</i>	<i>23.89</i>	<i>21.87</i>	<i>40.12</i>	<i>31.93</i>	<i>56.95</i>	<i>17.62</i>	<i>40.05</i>	<i>28.08</i>	<i>36.88</i>	<i>35.53</i>
Cumulative DOS, %												
1 to 7	35.9%	30.9%	46.6%	41.0%	37.3%	35.4%	30.0%	44.4%	37.8%	42.0%	38.9%	37.5%
8 to 14	21.3%	20.4%	21.8%	22.7%	21.7%	20.0%	21.1%	24.4%	21.1%	24.8%	20.0%	19.2%
15 to 44	28.9%	30.9%	24.6%	27.4%	28.0%	29.8%	31.0%	25.6%	29.6%	26.5%	29.1%	30.2%
45 to 89	8.3%	9.5%	5.7%	7.1%	7.6%	11.0%	10.3%	4.7%	7.3%	4.2%	8.0%	8.6%
90 to 179	3.4%	5.1%	0.8%	1.7%	3.9%	3.1%	4.2%	0.8%	2.7%	1.9%	2.8%	3.7%
180 to 359	1.4%	1.8%	0.3%	0.1%	1.3%	0.7%	2.0%	0.1%	1.1%	0.6%	1.1%	0.9%
360+	0.8%	1.4%	0.1%	0.0%	0.2%	0.0%	1.4%	0.0%	0.4%	0.0%	0.1%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hospital patients with a 100+ day hospital stay, %	3.4%	5.9%	0.6%	0.4%	2.7%	1.6%	5.2%	0.0%	2.1%	1.5%	1.7%	2.3%
Cumul. DOS, patients with a 100+ day hosp. stay, mean	235.84	219.72	218.38	155.33	199.30	180.64	232.66	161.00	235.91	183.39	223.16	184.31
<i>SD</i>	<i>96.02</i>	<i>100.05</i>	<i>92.46</i>	<i>25.54</i>	<i>77.59</i>	<i>65.98</i>	<i>98.60</i>	<i>0.00</i>	<i>87.93</i>	<i>66.47</i>	<i>75.09</i>	<i>67.58</i>
Hospital patients who had a 150+ day hosp. stay, %	2.1%	3.2%	0.5%	0.1%	1.4%	0.6%	3.2%	0.0%	1.3%	0.7%	0.8%	0.8%
Cumul. DOS, patients with a 150+ day hosp. stay, mean	289.98	290.06	249.17	180.00	244.83	235.45	292.72	161.00	282.10	229.95	275.06	241.58
<i>SD</i>	<i>76.99</i>	<i>82.06</i>	<i>85.73</i>	<i>0.00</i>	<i>67.46</i>	<i>60.76</i>	<i>74.83</i>	<i>0.00</i>	<i>74.22</i>	<i>64.66</i>	<i>66.86</i>	<i>65.76</i>
Cumulative DOS at Other VISNs	1.18	0.66	0.94	1.24	9.98	0.58	0.93	0.86	1.10	0.83	0.70	0.62
<i>SD</i>	<i>8.17</i>	<i>4.60</i>	<i>5.49</i>	<i>6.85</i>	<i>27.78</i>	<i>3.96</i>	<i>5.24</i>	<i>5.78</i>	<i>7.08</i>	<i>5.08</i>	<i>4.96</i>	<i>3.96</i>
Cumulative DOS at Other Stations	2.55	3.61	1.82	1.24	10.00	1.49	2.13	1.96	2.88	2.19	2.59	1.46
<i>SD</i>	<i>10.44</i>	<i>11.65</i>	<i>6.50</i>	<i>6.85</i>	<i>27.58</i>	<i>6.41</i>	<i>8.70</i>	<i>7.50</i>	<i>11.42</i>	<i>7.20</i>	<i>9.17</i>	<i>5.97</i>

**Table 3B: FY01 All Patients, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
All Patients	196675	10732	5783	9744	11261	5443	8299	11698	18161	8181	8666	8555
<u>Hospital based utilization: Non-Psych</u> ( non-psych- for those with some hosp.based util.)												
Pts. with non-psych hospital stays, %	14.5%	12.2%	13.5%	13.1%	13.0%	17.0%	15.1%	14.4%	13.8%	17.6%	16.1%	13.0%
Inpatient stays, mean	0.80	0.71	0.80	0.77	0.78	0.81	0.71	0.76	0.97	0.86	0.84	0.75
SD	1.18	1.13	1.19	1.16	1.14	1.27	1.13	1.14	1.26	1.25	1.20	1.26
Average LOS, mean	10.28	12.11	7.42	11.53	9.78	14.40	11.94	12.33	9.10	11.01	13.82	15.04
SD	22.79	26.31	11.12	19.75	23.48	36.06	23.57	26.92	14.65	26.75	27.03	44.27
Cumulative Days of Stay, mean	7.76	7.90	5.92	9.15	7.13	10.18	7.73	8.71	8.73	8.62	10.05	9.15
SD	22.19	23.97	13.91	26.00	21.26	32.61	22.12	24.84	19.96	25.58	24.99	33.35
Cumulative Days of Stay, %												
0	51.6%	56.4%	50.4%	54.2%	52.3%	54.4%	57.1%	53.0%	43.1%	50.6%	49.6%	57.4%
1 to 7	25.7%	23.1%	26.6%	21.8%	26.2%	22.6%	21.5%	24.3%	29.1%	25.9%	24.3%	21.7%
8 to 14	8.9%	7.4%	9.9%	8.3%	8.6%	7.9%	7.2%	8.1%	10.8%	9.4%	9.0%	7.5%
15 to 44	10.1%	9.1%	11.5%	10.9%	9.7%	9.6%	9.9%	9.7%	12.8%	9.8%	11.2%	9.0%
45 to 89	2.4%	2.0%	1.3%	2.9%	1.9%	3.3%	2.9%	3.2%	3.2%	2.6%	3.5%	2.3%
90 to 179	1.0%	1.7%	0.3%	1.5%	0.9%	1.4%	1.1%	1.2%	0.8%	1.2%	1.9%	1.2%
180 to 359	0.3%	0.2%	0.1%	0.3%	0.2%	0.6%	0.3%	0.4%	0.2%	0.4%	0.4%	0.8%
360+	0.0%	0.1%	0.0%	0.1%	0.0%	0.2%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day non-psych hosp.stay, %	0.8%	1.1%	0.2%	0.8%	0.8%	1.6%	1.0%	1.1%	0.5%	1.0%	1.5%	1.5%
Cumul. DOS, pts.with a 100+ day hosp. stay, mean	183.72	166.27	167.67	207.00	177.71	217.50	163.27	177.35	180.75	195.07	151.90	227.93
SD	78.10	69.68	53.01	91.96	89.93	90.63	66.71	74.16	68.90	81.65	45.92	106.63
Hosp. Pts. with a 150+ day non-psych hosp.stay, %	0.4%	0.5%	0.1%	0.5%	0.3%	1.1%	0.5%	0.5%	0.2%	0.5%	0.5%	0.9%
Cumul. DOS, pts. with a 150+ day hosp. stay, mean	238.47	215.43	220.00	262.92	265.30	248.00	215.86	227.72	239.57	252.88	200.00	304.65
SD	73.53	82.44	0.00	80.09	76.91	80.78	64.37	77.84	72.05	70.32	39.03	74.26
Other VISN cumulative DOS, mean	0.29	0.10	0.22	0.09	0.17	0.27	0.10	0.15	0.12	0.37	0.13	0.11
SD	3.35	2.14	2.78	1.26	2.16	3.22	1.22	1.99	1.83	7.24	1.97	2.21
Other station cumulative DOS, mean	0.71	0.83	0.22	0.93	0.63	0.68	0.47	0.78	0.30	0.45	0.78	0.76
SD	4.71	4.84	2.78	5.10	3.25	5.27	3.39	4.99	2.65	7.32	4.61	4.59

**Table 3B: FY01 All Patients, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
All Patients	196675	8358	4712	2939	8800	15201	8247	7428	5508	8348	8754	11857
<u>Hospital based utilization: Non-Psych</u> ( non-psych- for those with some hosp.based util.)												
Pts. with non-psych hospital stays, %	14.5%	16.0%	14.9%	16.0%	17.0%	14.4%	14.3%	18.2%	15.5%	15.1%	12.6%	11.7%
Inpatient stays, mean	0.80	0.79	0.93	0.89	0.85	0.74	0.73	0.97	0.85	0.80	0.79	0.71
SD	1.18	1.19	1.23	1.16	1.21	1.17	1.18	1.20	1.12	1.20	1.10	1.08
Average LOS, mean	10.28	9.96	6.10	7.12	9.62	10.56	10.52	6.06	8.42	8.39	9.01	8.25
SD	22.79	21.38	12.71	8.69	21.36	19.01	22.24	8.47	18.01	21.10	18.36	15.67
Cumulative Days of Stay, mean	7.76	7.67	5.69	6.39	7.57	7.46	6.87	5.80	6.83	6.27	7.33	6.06
SD	22.19	22.92	13.27	12.86	19.68	18.91	19.09	11.35	17.18	19.17	22.26	18.09
Cumulative Days of Stay, %												
0	51.6%	53.1%	46.9%	44.6%	49.4%	54.2%	55.7%	40.8%	47.2%	51.0%	50.4%	54.4%
1 to 7	25.7%	25.1%	29.4%	32.4%	26.8%	23.2%	21.8%	35.0%	28.6%	30.4%	27.9%	27.0%
8 to 14	8.9%	8.2%	11.3%	10.4%	10.1%	8.4%	9.0%	13.0%	10.1%	8.7%	9.0%	7.7%
15 to 44	10.1%	9.9%	11.1%	10.0%	10.5%	10.1%	10.5%	10.0%	11.9%	7.4%	9.8%	8.2%
45 to 89	2.4%	2.5%	1.1%	2.2%	2.1%	3.2%	2.2%	1.0%	1.5%	1.4%	2.0%	1.8%
90 to 179	1.0%	0.8%	0.2%	0.4%	0.8%	0.8%	0.5%	0.3%	0.5%	1.0%	0.6%	0.7%
180 to 359	0.3%	0.2%	0.1%	0.0%	0.3%	0.2%	0.3%	0.0%	0.2%	0.2%	0.4%	0.2%
360+	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day non-psych hosp.stay, %	0.8%	0.6%	0.1%	0.0%	0.9%	0.6%	0.6%	0.0%	0.4%	0.9%	0.7%	0.5%
Cumul. DOS, patients with a 100+ day hosp. stay, mean	183.72	207.78	314.00	0.00	162.04	156.93	182.67	161.00	188.86	165.59	219.07	181.87
SD	78.10	95.68	0.00	0.00	40.87	57.18	76.19	0.00	78.23	59.56	64.22	69.71
Hosp. Pts. with a 150+ day non-psych hosp.stay, %	0.4%	0.4%	0.1%	0.0%	0.5%	0.3%	0.3%	0.0%	0.3%	0.4%	0.4%	0.2%
Cumul. DOS, patients with a 150+ day hosp. stay, mean	238.47	268.90	314.00	0.00	188.53	203.79	235.75	161.00	218.20	211.20	250.44	257.00
SD	73.53	82.72	0.00	0.00	32.53	51.88	67.84	0.00	72.86	61.49	50.10	63.22
Other VISN cumulative DOS, mean	0.29	0.10	0.23	0.33	2.45	0.12	0.20	0.31	0.33	0.24	0.20	0.20
SD	3.35	1.45	1.90	3.03	7.93	1.64	2.07	4.32	5.42	2.42	3.05	2.26
Other station cumulative DOS, mean	0.71	0.84	0.69	0.33	2.49	0.37	0.45	0.73	0.81	0.72	0.87	0.47
SD	4.71	5.46	3.22	3.03	7.96	2.68	3.76	5.14	6.12	3.55	5.68	3.32

**Table 3B: FY01 All Patients, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
All Patients	196675	10732	5783	9744	11261	5443	8299	11698	18161	8181	8666	8555
<u>Hospital based utilization: Psychiatric</u>												
( psych- for those with some hosp.based util.)												
Pts. with psych hospital stays, %	18.7%	18.9%	16.5%	18.6%	17.1%	24.7%	24.4%	19.6%	12.8%	22.1%	20.6%	20.4%
Inpatient stays, mean	1.08	1.24	1.05	1.14	1.01	1.31	1.34	1.03	0.88	1.04	1.07	1.06
SD	1.37	1.56	1.43	1.34	1.18	1.61	1.67	1.23	1.32	1.31	1.24	1.19
Average LOS, mean	20.29	26.87	19.05	35.81	24.05	23.58	21.65	23.81	8.53	18.77	15.45	36.47
SD	45.41	64.08	39.89	66.23	52.61	55.48	51.00	56.53	8.38	48.43	21.80	77.53
Cumulative Days of Stay, mean	18.95	26.13	17.87	34.13	20.73	25.06	23.83	20.97	7.35	17.49	15.48	31.14
SD	45.45	63.70	44.87	67.07	48.69	58.72	52.50	52.54	14.73	49.14	27.45	71.37
Cumulative Days of Stay, %												
0	37.3%	32.6%	39.0%	34.9%	37.1%	33.8%	30.8%	36.1%	47.4%	38.0%	35.5%	33.0%
1 to 7	18.7%	20.5%	19.0%	10.9%	14.7%	20.4%	18.0%	16.9%	23.5%	23.0%	15.8%	17.7%
8 to 14	14.6%	16.0%	12.9%	12.4%	15.3%	14.6%	16.4%	17.1%	13.6%	15.3%	17.2%	14.9%
15 to 44	19.7%	18.9%	20.1%	22.3%	22.4%	18.8%	22.7%	20.2%	12.9%	16.2%	23.4%	19.7%
45 to 89	5.5%	5.6%	5.4%	9.1%	6.5%	5.5%	6.6%	5.3%	2.1%	4.0%	5.8%	6.1%
90 to 179	2.3%	2.5%	2.0%	5.9%	1.9%	3.4%	2.9%	2.1%	0.5%	1.5%	1.8%	3.1%
180 to 359	1.1%	2.1%	0.7%	3.2%	1.0%	2.4%	1.5%	0.8%	0.0%	0.8%	0.6%	3.1%
360+	0.7%	1.8%	0.9%	1.3%	1.0%	1.1%	1.1%	1.5%	0.0%	1.3%	0.0%	2.5%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day psych hosp.stay, %	2.6%	4.9%	2.1%	6.5%	2.8%	4.8%	3.0%	3.1%	0.1%	2.3%	1.2%	6.7%
Cumul. DOS, pts. with a 100+ day hosp. stay, mean	245.27	273.41	270.97	244.78	261.36	247.59	271.35	276.75	181.00	295.41	177.32	265.11
SD	97.46	95.01	101.69	94.94	101.35	88.91	88.16	98.81	98.70	92.36	57.57	95.47
Hosp. Pts. with a 150+ day psych hosp.stay, %	1.7%	3.6%	1.5%	4.1%	1.9%	3.2%	2.5%	2.2%	0.0%	2.0%	0.7%	5.3%
Cumul. DOS, pts.with a 150+ day hosp. stay, mean	297.34	313.91	327.26	297.42	315.93	287.71	297.66	322.97	0.00	325.81	206.21	297.23
SD	75.48	69.28	54.23	70.58	69.34	76.51	71.02	72.05	0.00	64.21	43.19	78.35
Other VISN cumulative DOS, mean	0.89	0.25	0.79	0.52	0.52	0.56	0.53	0.77	0.38	0.55	0.49	0.28
SD	7.32	2.50	4.58	4.19	3.89	4.30	3.86	5.29	4.22	3.51	3.38	2.59
Other station cumulative DOS, mean	1.86	1.83	0.79	2.49	2.01	2.44	1.81	1.69	0.60	0.88	1.59	1.42
SD	9.24	8.09	4.58	9.71	7.42	9.72	7.15	7.29	4.56	4.77	6.26	7.21

**Table 3B: FY01 All Patients, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
All Patients	196675	8358	4712	2939	8800	15201	8247	7428	5508	8348	8754	11857
<u>Hospital based utilization: Psychiatric</u>												
( psych- for those with some hosp.based util.)												
Pts. with psych hospital stays, %	18.7%	22.0%	16.4%	16.6%	20.6%	20.2%	21.5%	15.9%	17.4%	19.3%	15.3%	16.6%
Inpatient stays, mean	1.08	1.18	1.03	0.91	1.10	1.03	1.23	0.87	0.98	1.00	1.10	1.06
SD	1.37	1.57	1.43	1.16	1.46	1.20	1.58	1.21	1.21	1.19	1.56	1.33
Average LOS, mean	20.29	27.88	9.82	11.86	15.29	16.01	26.42	9.79	17.73	11.21	14.81	17.36
SD	45.41	57.75	15.36	10.96	24.55	21.99	57.54	8.45	33.65	18.58	22.79	23.19
Cumulative Days of Stay, mean	18.95	25.17	9.59	10.96	16.64	15.89	25.46	8.50	16.27	10.84	15.11	17.29
SD	45.45	54.68	21.62	19.90	37.21	28.42	55.79	15.64	36.95	22.16	31.35	32.77
Cumulative Days of Stay, %												
0	37.3%	35.4%	41.6%	42.2%	38.6%	36.0%	33.3%	48.2%	40.7%	37.2%	39.8%	35.5%
1 to 7	18.7%	14.7%	27.9%	19.9%	19.4%	19.5%	15.9%	19.3%	17.2%	21.6%	18.5%	19.1%
8 to 14	14.6%	13.6%	11.7%	15.0%	14.2%	13.6%	14.7%	13.7%	14.3%	18.1%	12.9%	12.9%
15 to 44	19.7%	22.8%	14.0%	17.4%	18.9%	21.0%	22.2%	15.0%	18.8%	19.4%	20.5%	22.5%
45 to 89	5.5%	6.6%	4.0%	4.5%	5.2%	7.4%	7.6%	3.2%	5.9%	2.4%	5.5%	6.3%
90 to 179	2.3%	4.4%	0.5%	0.9%	2.6%	2.1%	3.4%	0.6%	1.9%	0.9%	2.1%	2.9%
180 to 359	1.1%	1.3%	0.2%	0.1%	1.0%	0.4%	1.7%	0.0%	0.9%	0.3%	0.7%	0.6%
360+	0.7%	1.3%	0.1%	0.0%	0.2%	0.0%	1.3%	0.0%	0.3%	0.0%	0.1%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day psych hosp.stay, %	2.6%	5.3%	0.5%	0.4%	1.8%	1.0%	4.7%	0.0%	1.7%	0.6%	1.0%	1.8%
Cumul. DOS, patients with a 100+ day hosp. stay, mean	245.27	214.60	204.71	155.33	215.50	182.52	234.57	0.00	231.00	195.50	215.55	179.07
SD	97.46	100.56	90.73	25.54	85.77	70.65	100.39	0.00	89.55	75.34	79.96	67.10
Hosp. Pts. with a 150+ day psych hosp.stay, %	1.7%	2.8%	0.4%	0.1%	0.8%	0.3%	2.9%	0.0%	1.1%	0.3%	0.4%	0.6%
Cumul. DOS, patients with a 150+ day hosp. stay, mean	297.34	286.30	236.20	180.00	277.32	249.80	295.32	0.00	280.76	238.44	279.25	235.95
SD	75.48	84.71	89.03	0.00	61.70	65.73	75.67	0.00	72.30	74.96	85.22	65.04
Other VISN cumulative DOS, mean	0.89	0.56	0.71	0.90	7.64	0.46	0.73	0.55	0.77	0.59	0.51	0.43
SD	7.32	4.17	4.72	6.10	26.78	3.46	4.67	3.78	4.51	4.17	3.88	3.14
Other station cumulative DOS, mean	1.86	2.77	1.13	0.90	7.82	1.12	1.67	1.24	2.07	1.47	1.72	0.99
SD	9.24	10.19	5.32	6.10	26.85	5.69	7.52	5.41	9.60	6.06	7.23	4.84

**Table 3B: FY01 All Patients, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
All Patients	196675	10732	5783	9744	11261	5443	8299	11698	18161	8181	8666	8555
<b>Other 24 hour institutional care</b>												
Patients with some other 24 hour institutional care, %	9.1%	7.0%	15.1%	10.6%	12.5%	11.6%	8.5%	4.8%	4.6%	7.1%	15.5%	7.1%
<u>Residential Rehabilitation</u>												
(reported for those with some res rehab care)												
Patients with some residential rehab. care, %	1.7%	1.4%	1.4%	0.1%	3.0%	1.9%	0.9%	1.5%	0.2%	0.3%	3.9%	0.4%
Number stays, mean	<i>1.11</i>	<i>1.10</i>	<i>1.21</i>	<i>1.08</i>	<i>1.06</i>	<i>1.08</i>	<i>1.06</i>	<i>1.08</i>	<i>1.08</i>	<i>1.04</i>	<i>1.14</i>	<i>1.28</i>
SD	<i>0.35</i>	<i>0.31</i>	<i>0.46</i>	<i>0.27</i>	<i>0.23</i>	<i>0.28</i>	<i>0.23</i>	<i>0.29</i>	<i>0.29</i>	<i>0.20</i>	<i>0.38</i>	<i>0.52</i>
Average LOS, mean	37.81	92.15	28.13	90.54	60.94	31.95	25.64	26.58	42.21	12.42	31.73	37.62
SD	<i>49.08</i>	<i>125.70</i>	<i>18.78</i>	<i>93.30</i>	<i>87.18</i>	<i>22.84</i>	<i>14.21</i>	<i>25.93</i>	<i>26.16</i>	<i>6.32</i>	<i>29.52</i>	<i>46.87</i>
Cumulative DOS, mean	41.45	95.29	32.96	95.28	62.78	34.35	26.82	27.75	44.71	12.79	36.36	47.86
SD	<i>51.97</i>	<i>124.63</i>	<i>23.75</i>	<i>94.63</i>	<i>89.11</i>	<i>24.58</i>	<i>15.44</i>	<i>25.63</i>	<i>28.83</i>	<i>6.42</i>	<i>34.89</i>	<i>57.06</i>
Cumulative Days of Stay, %												
1 to 7	10.8%	11.0%	8.5%	7.9%	9.6%	10.6%	12.4%	16.7%	9.1%	18.8%	6.1%	12.4%
8 to 14	11.7%	7.6%	10.6%	9.4%	8.9%	11.8%	10.7%	16.7%	5.6%	60.4%	21.5%	7.7%
15 to 44	52.6%	36.6%	63.1%	22.8%	47.8%	49.4%	66.1%	58.3%	36.1%	20.8%	48.3%	48.8%
45 to 89	16.3%	22.1%	14.2%	20.5%	15.9%	24.7%	10.7%	0.0%	42.9%	0.0%	16.5%	15.8%
90 to 179	5.8%	4.8%	3.6%	24.4%	9.6%	3.5%	0.0%	8.3%	6.0%	0.0%	6.9%	11.0%
180 to 359	1.8%	2.1%	0.0%	15.0%	4.5%	0.0%	0.0%	0.0%	0.4%	0.0%	0.8%	3.8%
360+	0.9%	15.9%	0.0%	0.0%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Res Rehab pts with 100+ day Res Rehab stay, %	6.0%	21.4%	2.4%	33.1%	15.9%	1.2%	0.0%	8.3%	2.0%	0.0%	5.0%	9.6%
Cumul. DOS, pts with a 100+ day Res Rehab stay, mean	204.14	315.84	120.25	202.71	239.08	118.00	0.00	100.00	135.00	0.00	150.77	191.10
SD	<i>93.15</i>	<i>92.94</i>	<i>19.56</i>	<i>88.40</i>	<i>99.07</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>57.47</i>	<i>0.00</i>	<i>26.03</i>	<i>69.73</i>
Res Rehab patients with 150+ day Res Rehab stay, %	3.1%	17.9%	0.0%	18.1%	11.5%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	5.7%
Cumu. DOS, pts w/ a 150+ day Res Rehab stay, mean	268.66	352.96	0.00	256.52	282.56	0.00	0.00	0.00	0.00	0.00	170.75	226.25
SD	<i>83.76</i>	<i>37.99</i>	<i>0.00</i>	<i>82.36</i>	<i>81.70</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>18.25</i>	<i>67.92</i>
Other VISN cumulative DOS, mean	2.59	0.00	0.90	1.28	0.80	1.12	1.33	27.75	0.26	3.17	0.63	0.44
SD	<i>16.21</i>	<i>0.00</i>	<i>6.77</i>	<i>7.10</i>	<i>4.82</i>	<i>4.43</i>	<i>6.96</i>	<i>25.63</i>	<i>2.32</i>	<i>7.97</i>	<i>6.13</i>	<i>3.29</i>
Other station cumulative DOS, mean	5.21	5.66	0.90	5.02	4.07	5.67	5.47	27.75	1.07	3.31	0.93	4.41
SD	<i>18.91</i>	<i>16.08</i>	<i>6.77</i>	<i>19.22</i>	<i>8.47</i>	<i>11.39</i>	<i>13.75</i>	<i>25.63</i>	<i>6.15</i>	<i>8.04</i>	<i>6.71</i>	<i>18.34</i>

**Table 3B: FY01 All Patients, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
All Patients	196675	8358	4712	2939	8800	15201	8247	7428	5508	8348	8754	11857
<b>Other 24 hour institutional care</b>												
Patients with some other 24 hour institutional care, %	9.1%	17.3%	15.9%	14.2%	8.4%	5.2%	11.9%	7.8%	5.3%	12.4%	7.3%	7.8%
<u>Residential Rehabilitation</u>												
(reported for those with some res rehab care)												
Patients with some residential rehab. care, %	1.7%	6.3%	0.8%	0.7%	1.8%	1.9%	8.3%	1.1%	1.6%	2.7%	2.0%	0.2%
Number stays, mean	1.11	1.10	1.05	1.14	1.29	1.06	1.09	1.11	1.11	1.07	1.08	1.00
SD	0.35	0.33	0.23	0.53	0.52	0.27	0.28	0.37	0.35	0.25	0.27	0.00
Average LOS, mean	37.81	32.37	40.86	39.38	75.86	22.34	21.84	45.10	37.94	22.31	25.56	14.38
SD	49.08	22.23	32.63	29.80	64.80	13.94	29.10	46.38	27.59	15.01	16.60	13.40
Cumulative DOS, mean	41.45	35.31	42.98	40.57	95.90	23.56	24.10	49.57	40.99	23.50	27.24	14.38
SD	51.97	25.90	34.75	28.78	78.30	15.20	32.10	49.32	29.30	15.74	17.78	13.40
Cumulative Days of Stay, %												
1 to 7	10.8%	9.4%	12.1%	0.0%	5.6%	13.5%	12.8%	14.8%	14.1%	13.1%	15.5%	28.6%
8 to 14	11.7%	7.8%	6.6%	0.0%	5.6%	15.8%	14.2%	9.3%	9.4%	7.4%	9.7%	33.3%
15 to 44	52.6%	66.3%	41.8%	85.7%	23.6%	66.9%	67.3%	38.9%	34.1%	72.0%	58.7%	33.3%
45 to 89	16.3%	12.4%	31.9%	7.1%	22.2%	3.0%	2.4%	13.0%	36.5%	6.9%	16.1%	4.8%
90 to 179	5.8%	3.6%	7.7%	7.1%	22.2%	0.8%	2.8%	20.4%	5.9%	0.6%	0.0%	0.0%
180 to 359	1.8%	0.4%	0.0%	0.0%	20.8%	0.0%	0.5%	3.7%	0.0%	0.0%	0.0%	0.0%
360+	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Res Rehab pts with 100+ day Res Rehab stay, %	6.0%	1.9%	3.3%	7.1%	30.6%	0.8%	2.8%	16.7%	2.4%	0.6%	0.0%	0.0%
Cumul. DOS, patients with a 100+ day C.C. stay, mean	204.14	148.20	153.33	135.00	192.36	116.00	179.17	137.44	115.50	145.00	0.00	0.00
SD	93.15	52.38	15.31	0.00	52.43	0.00	82.35	40.60	10.61	0.00	0.00	0.00
Res Rehab patients with 150+ day Res Rehab stay, %	3.1%	0.4%	1.1%	0.0%	18.1%	0.0%	1.4%	3.7%	0.0%	0.0%	0.0%	0.0%
Cumul. DOS, patients with a 150+ day C.C. stay, mean	268.66	228.50	171.00	0.00	206.62	0.00	220.00	203.00	0.00	0.00	0.00	0.00
SD	83.76	64.35	0.00	0.00	34.09	0.00	108.39	21.21	0.00	0.00	0.00	0.00
Other VISN cumulative DOS, mean	2.59	0.64	3.67	4.29	71.01	1.47	0.52	1.52	1.18	1.54	0.21	8.81
SD	16.21	6.80	11.34	16.04	73.91	7.26	3.95	6.58	4.98	8.32	2.65	15.33
Other station cumulative DOS, mean	5.21	6.80	4.19	4.29	71.35	2.38	1.27	3.31	6.06	4.54	2.19	8.90
SD	18.91	15.15	11.62	16.04	73.64	8.12	5.31	10.34	14.85	11.66	7.96	15.27

**Table 3B: FY01 All Patients, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
All Patients	196675	10732	5783	9744	11261	5443	8299	11698	18161	8181	8666	8555
<u>Domiciliary and Vocational</u> (reported for those with some dom/voc care)												
Patients with some dom/voc care, %	3.4%	1.8%	5.2%	5.3%	5.0%	6.0%	3.1%	2.1%	0.5%	2.4%	7.3%	0.1%
Number stays, mean	1.18	1.28	1.34	1.24	1.15	1.15	1.18	1.14	1.06	1.21	1.18	1.00
<i>SD</i>	<i>0.46</i>	<i>0.53</i>	<i>0.60</i>	<i>0.51</i>	<i>0.42</i>	<i>0.39</i>	<i>0.46</i>	<i>0.38</i>	<i>0.24</i>	<i>0.59</i>	<i>0.44</i>	<i>0.00</i>
Average LOS, mean	81.66	98.43	80.22	53.23	41.16	115.42	37.99	67.23	81.88	119.85	47.94	19.38
<i>SD</i>	<i>91.28</i>	<i>92.15</i>	<i>58.72</i>	<i>47.97</i>	<i>47.17</i>	<i>114.32</i>	<i>44.54</i>	<i>73.91</i>	<i>70.57</i>	<i>117.41</i>	<i>62.74</i>	<i>15.43</i>
Cumulative DOS, mean	91.62	122.98	100.66	65.04	47.13	126.29	43.07	72.60	85.57	132.70	54.04	19.38
<i>SD</i>	<i>96.70</i>	<i>108.90</i>	<i>67.74</i>	<i>60.83</i>	<i>53.35</i>	<i>118.71</i>	<i>47.40</i>	<i>75.85</i>	<i>73.39</i>	<i>120.12</i>	<i>66.17</i>	<i>15.43</i>
Cumulative Days of Stay, %												
1 to 7	7.5%	6.4%	4.6%	10.4%	9.2%	5.2%	14.5%	7.4%	9.8%	6.2%	9.0%	12.5%
8 to 14	6.7%	6.4%	4.0%	5.8%	10.8%	4.3%	9.4%	11.1%	6.1%	5.2%	10.3%	37.5%
15 to 44	30.6%	16.5%	16.9%	35.2%	51.1%	18.5%	43.5%	29.1%	19.5%	19.2%	45.6%	37.5%
45 to 89	20.1%	18.1%	26.2%	21.1%	12.7%	25.5%	21.2%	23.8%	24.4%	18.7%	19.8%	12.5%
90 to 179	19.7%	29.3%	32.1%	21.9%	12.4%	21.8%	9.4%	20.5%	28.0%	20.2%	10.6%	0.0%
180 to 359	9.9%	16.5%	16.2%	5.4%	3.9%	12.3%	1.2%	6.6%	12.2%	19.2%	2.2%	0.0%
360+	5.4%	6.9%	0.0%	0.2%	0.0%	12.3%	0.8%	1.6%	0.0%	11.4%	2.4%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Dom. patients with 100+ day Dom. stay, %	29.4%	43.6%	39.7%	20.9%	12.9%	39.4%	7.8%	22.1%	34.1%	46.1%	11.7%	0.0%
Cumul. DOS, patients with a 100+ day Dom. stay, mean	213.34	218.60	170.48	161.30	166.19	245.34	161.40	183.74	168.57	235.04	197.59	0.00
<i>SD</i>	<i>92.21</i>	<i>95.96</i>	<i>41.24</i>	<i>52.18</i>	<i>42.98</i>	<i>104.65</i>	<i>76.55</i>	<i>82.13</i>	<i>59.12</i>	<i>99.02</i>	<i>94.66</i>	<i>0.00</i>
Dom. patients with 150+ day Dom. stay, %	17.7%	22.3%	20.5%	7.5%	6.5%	24.9%	2.7%	11.9%	17.1%	29.0%	5.6%	0.0%
Cumul. DOS, patients with a 150+ day Dom. stay, mean	265.68	290.60	195.97	200.28	194.35	310.28	230.86	237.52	209.71	296.04	269.09	0.00
<i>SD</i>	<i>80.74</i>	<i>74.45</i>	<i>32.69</i>	<i>49.17</i>	<i>35.11</i>	<i>70.78</i>	<i>93.81</i>	<i>77.43</i>	<i>58.39</i>	<i>70.83</i>	<i>88.61</i>	<i>0.00</i>
Other VISN cumulative DOS, mean	4.78	0.96	6.29	3.63	1.26	2.45	1.55	1.93	4.78	4.12	1.30	19.38
<i>SD</i>	<i>23.10</i>	<i>5.05</i>	<i>15.85</i>	<i>16.24</i>	<i>8.90</i>	<i>10.78</i>	<i>9.07</i>	<i>9.65</i>	<i>17.97</i>	<i>13.15</i>	<i>8.78</i>	<i>15.43</i>
Other station cumulative DOS, mean	7.16	9.16	6.29	8.62	6.43	6.92	1.79	3.20	4.95	4.36	2.67	19.38
<i>SD</i>	<i>25.16</i>	<i>24.93</i>	<i>15.85</i>	<i>19.84</i>	<i>13.97</i>	<i>21.68</i>	<i>9.28</i>	<i>12.00</i>	<i>17.99</i>	<i>13.23</i>	<i>11.50</i>	<i>15.43</i>

**Table 3B: FY01 All Patients, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
All Patients	196675	8358	4712	2939	8800	15201	8247	7428	5508	8348	8754	11857
<u>Domiciliary and Vocational</u> (reported for those with some dom/voc care)												
Patients with some dom/voc care, %	3.4%	6.6%	7.4%	7.5%	2.9%	1.6%	6.8%	1.7%	0.2%	6.8%	0.8%	3.4%
Number stays, mean	1.18	1.16	1.16	1.36	1.40	1.12	1.15	1.04	1.00	1.14	1.07	1.04
SD	0.46	0.44	0.44	0.77	0.60	0.35	0.39	0.19	0.00	0.39	0.25	0.19
Average LOS, mean	81.66	108.74	74.38	31.15	71.77	57.15	123.46	82.59	25.27	140.12	56.15	95.69
SD	91.28	104.29	84.36	28.53	55.55	65.97	121.69	80.79	27.11	125.28	59.94	79.86
Cumulative DOS, mean	91.62	117.91	81.51	40.69	104.26	63.77	132.80	86.08	25.27	152.42	57.93	98.53
SD	96.70	107.25	87.04	40.28	90.80	71.76	121.95	83.87	27.11	129.04	59.90	82.11
Cumulative Days of Stay, %												
1 to 7	7.5%	6.3%	4.3%	10.5%	3.9%	10.2%	6.0%	9.4%	36.4%	3.2%	14.9%	7.4%
8 to 14	6.7%	4.0%	6.9%	11.4%	6.7%	8.6%	3.9%	6.3%	9.1%	3.3%	9.5%	4.4%
15 to 44	30.6%	24.3%	31.9%	49.3%	24.4%	45.5%	19.2%	25.0%	36.4%	23.0%	24.3%	21.3%
45 to 89	20.1%	17.2%	28.7%	19.2%	16.1%	11.9%	23.1%	19.5%	9.1%	17.0%	29.7%	22.5%
90 to 179	19.7%	24.1%	18.1%	9.1%	31.9%	16.0%	18.3%	30.5%	9.1%	18.8%	16.2%	27.0%
180 to 359	9.9%	16.5%	4.6%	0.5%	12.2%	6.6%	14.6%	6.3%	0.0%	17.2%	5.4%	16.4%
360+	5.4%	7.6%	5.5%	0.0%	4.7%	1.2%	14.8%	3.1%	0.0%	17.4%	0.0%	1.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Dom. patients with 100+ day Dom. stay, %	29.4%	43.1%	21.6%	4.6%	33.1%	20.9%	40.9%	32.8%	0.0%	50.6%	16.2%	39.0%
Cumul. DOS, patients with a 100+ day Dom. stay, mean	213.34	217.96	207.24	161.10	200.11	181.22	253.88	177.64	0.00	258.14	166.67	183.57
SD	92.21	88.85	107.96	58.76	81.50	71.71	99.17	85.65	0.00	97.52	64.28	64.17
Dom. patients with 150+ day Dom. stay, %	17.7%	29.5%	9.5%	1.4%	18.9%	10.7%	30.4%	14.1%	0.0%	38.3%	6.8%	23.8%
Cumul. DOS, patients with a 150+ day Dom. stay, mean	265.68	257.71	309.36	175.00	244.48	232.54	296.08	247.72	0.00	296.40	229.00	219.31
SD	80.74	78.40	76.78	1.00	79.28	67.03	77.41	85.90	0.00	77.83	51.52	56.70
Other VISN cumulative DOS, mean	4.78	0.69	1.16	1.15	75.53	2.70	0.60	1.50	25.27	1.58	9.14	0.34
SD	23.10	6.65	6.40	9.89	77.57	13.57	5.13	6.65	27.11	10.96	22.60	3.38
Other station cumulative DOS, mean	7.16	5.65	2.45	1.15	75.54	3.69	2.05	2.71	25.27	4.08	9.81	0.94
SD	25.16	16.23	9.81	9.89	77.56	14.37	10.25	8.87	27.11	18.00	22.74	6.98

**Table 3B: FY01 All Patients, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
All Patients	196675	10732	5783	9744	11261	5443	8299	11698	18161	8181	8666	8555
<u>Nursing Home Care</u>												
(reported for those with some nursing home care)												
Patients with some nursing home care, %	4.4%	4.1%	6.2%	4.4%	6.3%	4.7%	4.2%	2.6%	2.8%	3.8%	6.4%	4.6%
Number stays, mean	1.24	1.24	1.36	1.18	1.21	1.17	1.17	1.14	1.26	1.32	1.19	1.16
<i>SD</i>	<i>0.60</i>	<i>0.59</i>	<i>0.71</i>	<i>0.46</i>	<i>0.52</i>	<i>0.43</i>	<i>0.42</i>	<i>0.39</i>	<i>0.53</i>	<i>0.67</i>	<i>0.51</i>	<i>0.39</i>
Average LOS, mean	99.20	142.69	79.93	165.75	110.08	84.47	114.98	122.54	88.43	59.45	96.00	115.72
<i>SD</i>	<i>115.20</i>	<i>140.22</i>	<i>105.40</i>	<i>140.14</i>	<i>120.50</i>	<i>109.88</i>	<i>126.38</i>	<i>121.79</i>	<i>103.13</i>	<i>76.22</i>	<i>111.06</i>	<i>124.59</i>
Cumulative DOS, mean	111.73	157.64	96.40	182.33	119.85	93.04	125.87	133.98	102.36	77.25	105.42	124.29
<i>SD</i>	<i>121.02</i>	<i>143.35</i>	<i>115.81</i>	<i>142.60</i>	<i>123.29</i>	<i>113.58</i>	<i>130.48</i>	<i>127.52</i>	<i>110.69</i>	<i>100.78</i>	<i>114.74</i>	<i>126.39</i>
Cumulative Days of Stay, %												
1 to 7	7.6%	9.1%	9.2%	5.1%	7.6%	8.1%	5.4%	5.9%	8.4%	8.7%	9.9%	10.5%
8 to 14	10.6%	6.3%	10.1%	7.0%	9.8%	14.0%	13.1%	13.7%	13.3%	14.6%	6.7%	12.0%
15 to 44	26.9%	21.8%	34.2%	13.1%	23.7%	31.8%	26.3%	15.7%	22.9%	35.6%	27.8%	19.9%
45 to 89	16.9%	11.6%	15.7%	14.5%	16.0%	17.1%	13.7%	18.0%	17.0%	18.4%	18.4%	12.8%
90 to 179	13.7%	10.9%	11.2%	14.5%	16.9%	10.1%	12.9%	14.1%	17.8%	10.4%	15.3%	14.0%
180 to 359	12.8%	16.8%	11.2%	17.5%	14.2%	8.9%	13.1%	18.6%	13.7%	4.9%	12.1%	17.1%
360+	11.5%	23.6%	8.4%	28.4%	11.9%	10.1%	15.4%	14.1%	7.0%	7.4%	9.7%	13.8%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
NH patients with 100+ day NH stay, %	33.5%	47.2%	27.2%	56.2%	39.4%	26.7%	38.3%	42.5%	30.3%	18.8%	33.4%	41.6%
Cumul. DOS, patients with a 100+ day NH stay, mean	259.10	293.32	264.64	291.30	248.13	254.29	270.27	261.64	245.72	258.97	241.70	251.61
<i>SD</i>	<i>96.00</i>	<i>87.14</i>	<i>92.45</i>	<i>90.51</i>	<i>100.25</i>	<i>103.40</i>	<i>96.29</i>	<i>92.88</i>	<i>91.35</i>	<i>102.87</i>	<i>99.02</i>	<i>97.01</i>
NH patients with 150+ day NH stay, %	25.8%	40.6%	21.0%	49.2%	27.6%	20.2%	31.1%	34.6%	23.0%	13.3%	22.9%	33.2%
Cumul. DOS, patients with a 150+ day NH stay, mean	295.59	316.41	297.75	314.06	298.45	298.92	300.82	288.43	280.58	309.24	291.68	283.28
<i>SD</i>	<i>76.01</i>	<i>67.92</i>	<i>74.43</i>	<i>70.99</i>	<i>72.89</i>	<i>77.17</i>	<i>78.32</i>	<i>79.20</i>	<i>74.63</i>	<i>76.54</i>	<i>76.13</i>	<i>81.27</i>
Other VISN cumulative DOS, mean	4.82	0.01	0.04	0.31	0.05	0.50	0.12	0.41	0.32	0.77	0.37	0.21
<i>SD</i>	<i>31.94</i>	<i>0.24</i>	<i>0.69</i>	<i>4.17</i>	<i>0.98</i>	<i>4.31</i>	<i>2.30</i>	<i>4.07</i>	<i>3.63</i>	<i>7.11</i>	<i>4.23</i>	<i>3.26</i>
Other station cumulative DOS, mean	5.59	0.30	0.04	1.95	1.08	2.17	0.95	1.08	0.98	0.77	2.04	0.67
<i>SD</i>	<i>32.50</i>	<i>2.81</i>	<i>0.69</i>	<i>12.59</i>	<i>8.47</i>	<i>16.84</i>	<i>9.12</i>	<i>6.93</i>	<i>7.82</i>	<i>7.11</i>	<i>9.38</i>	<i>6.35</i>

**Table 3B: FY01 All Patients, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
All Patients	196675	8358	4712	2939	8800	15201	8247	7428	5508	8348	8754	11857
<u>Nursing Home Care</u>												
(reported for those with some nursing home care)												
Patients with some nursing home care, %	4.4%	6.3%	7.2%	7.1%	5.0%	2.8%	4.0%	5.5%	3.6%	3.7%	4.9%	4.4%
Number stays, mean	1.24	1.19	1.24	1.16	1.36	1.30	1.18	1.29	1.13	1.22	1.50	1.26
<i>SD</i>	<i>0.60</i>	<i>0.47</i>	<i>0.52</i>	<i>0.53</i>	<i>0.67</i>	<i>0.72</i>	<i>0.45</i>	<i>0.60</i>	<i>0.39</i>	<i>0.52</i>	<i>1.22</i>	<i>0.56</i>
Average LOS, mean	99.20	130.90	86.74	142.18	62.12	81.36	84.96	43.64	125.45	63.42	88.41	91.61
<i>SD</i>	<i>115.20</i>	<i>129.33</i>	<i>122.10</i>	<i>133.58</i>	<i>66.92</i>	<i>106.10</i>	<i>92.82</i>	<i>60.71</i>	<i>118.90</i>	<i>89.42</i>	<i>106.33</i>	<i>100.47</i>
Cumulative DOS, mean	111.73	143.53	95.14	151.38	84.46	90.54	95.53	52.41	133.53	70.84	107.55	106.95
<i>SD</i>	<i>121.02</i>	<i>133.34</i>	<i>123.89</i>	<i>133.74</i>	<i>98.12</i>	<i>107.83</i>	<i>99.50</i>	<i>66.53</i>	<i>122.57</i>	<i>92.95</i>	<i>116.89</i>	<i>108.91</i>
Cumulative Days of Stay, %												
1 to 7	7.6%	4.7%	10.0%	4.8%	7.2%	6.9%	7.0%	7.3%	5.6%	9.7%	10.1%	4.8%
8 to 14	10.6%	6.2%	13.8%	7.2%	11.7%	14.0%	8.6%	16.6%	7.1%	14.3%	10.1%	7.7%
15 to 44	26.9%	25.3%	36.2%	19.1%	32.2%	29.9%	27.5%	42.7%	22.8%	37.0%	25.3%	26.3%
45 to 89	16.9%	15.9%	12.4%	15.3%	18.7%	18.1%	21.4%	19.3%	16.8%	17.5%	17.8%	24.4%
90 to 179	13.7%	12.3%	7.6%	20.1%	14.6%	15.0%	18.0%	8.0%	17.8%	10.1%	13.1%	14.1%
180 to 359	12.8%	17.6%	6.5%	13.9%	10.6%	7.6%	12.8%	4.6%	16.8%	6.2%	16.6%	14.9%
360+	11.5%	18.0%	13.5%	19.6%	5.0%	8.6%	4.6%	1.5%	13.2%	5.2%	7.0%	7.7%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
NH patients with 100+ day NH stay, %	33.5%	44.8%	25.0%	46.9%	22.5%	24.2%	30.9%	10.0%	46.7%	17.9%	32.8%	30.9%
Cumul. DOS, patients with a 100+ day NH stay, mean	259.10	272.86	289.87	270.51	238.99	252.10	217.17	217.12	244.13	241.53	250.01	246.32
<i>SD</i>	<i>96.00</i>	<i>91.60</i>	<i>93.37</i>	<i>99.49</i>	<i>90.74</i>	<i>100.69</i>	<i>92.39</i>	<i>85.37</i>	<i>92.28</i>	<i>96.58</i>	<i>92.93</i>	<i>89.26</i>
NH patients with 150+ day NH stay, %	25.8%	37.2%	21.2%	36.4%	15.5%	18.1%	18.7%	6.1%	36.0%	13.6%	23.0%	24.8%
Cumul. DOS, patients with a 150+ day NH stay, mean	295.59	301.62	316.97	311.00	280.64	294.70	275.00	254.92	276.48	277.95	290.92	272.28
<i>SD</i>	<i>76.01</i>	<i>71.21</i>	<i>72.69</i>	<i>72.95</i>	<i>74.66</i>	<i>79.11</i>	<i>72.54</i>	<i>85.62</i>	<i>79.83</i>	<i>80.45</i>	<i>74.43</i>	<i>79.40</i>
Other VISN cumulative DOS, mean	4.82	0.00	0.08	0.29	52.63	0.24	1.04	0.50	83.73	0.51	0.33	0.20
<i>SD</i>	<i>31.94</i>	<i>0.00</i>	<i>1.52</i>	<i>3.30</i>	<i>85.96</i>	<i>2.67</i>	<i>11.93</i>	<i>6.58</i>	<i>125.67</i>	<i>3.62</i>	<i>4.32</i>	<i>2.39</i>
Other station cumulative DOS, mean	5.59	1.73	1.09	0.29	52.27	0.75	1.66	1.16	82.64	1.64	1.73	0.68
<i>SD</i>	<i>32.50</i>	<i>11.70</i>	<i>9.23</i>	<i>3.30</i>	<i>85.60</i>	<i>5.74</i>	<i>14.00</i>	<i>8.25</i>	<i>124.57</i>	<i>8.75</i>	<i>11.20</i>	<i>5.11</i>

**Table 3B: FY01 All Patients, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
All Patients	196675	10732	5783	9744	11261	5443	8299	11698	18161	8181	8666	8555
<b><u>Outpatient utilization</u></b>												
(reported for those with some outpatient care)												
Patients with some outpatient care, %	98.9%	98.3%	98.7%	97.9%	98.5%	98.5%	98.6%	99.1%	99.6%	99.0%	98.9%	97.7%
annual visit days, mean	26.25	37.05	36.60	31.95	22.40	33.24	19.73	24.05	21.48	18.57	29.36	22.83
SD	35.90	50.20	44.84	43.97	31.60	44.24	27.07	32.39	24.73	25.72	36.05	33.73
Outpatient visit days, %												
1-12	42.8%	34.9%	32.1%	38.6%	46.8%	37.2%	50.6%	44.7%	42.7%	50.9%	35.8%	51.4%
13-24	26.3%	24.0%	25.2%	24.5%	27.8%	24.1%	26.8%	26.8%	30.5%	28.7%	26.7%	23.9%
25-36	12.1%	13.1%	13.3%	12.8%	11.2%	13.0%	10.9%	11.8%	12.8%	11.1%	14.0%	9.3%
37-48	6.1%	7.3%	7.9%	6.6%	4.9%	7.2%	4.7%	5.9%	5.8%	3.8%	7.6%	4.9%
49+	12.7%	20.7%	21.5%	17.4%	9.3%	18.5%	7.0%	10.8%	8.2%	5.6%	15.9%	10.5%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% of Outpatients who had some Primary Care (PC)	73.1%	73.0%	80.3%	66.3%	68.1%	70.8%	70.1%	71.4%	79.9%	71.6%	72.2%	73.7%
Mean PC visit days, among those with some PC	3.69	3.56	3.75	2.98	3.57	4.18	3.73	3.81	4.22	3.18	3.91	3.21
SD	3.29	3.25	3.67	2.45	3.00	4.07	3.51	3.56	3.29	2.59	3.48	2.58
Average number clinic stops per visit day, mean	1.51	1.41	1.43	1.41	1.46	1.54	1.56	1.53	1.48	1.58	1.45	1.49
SD	0.49	0.42	0.40	0.42	0.43	0.45	0.51	0.48	0.44	0.52	0.42	0.48
annual clinic stops (psych & non-psych), mean	40.78	55.06	56.26	47.55	32.92	52.97	30.93	38.86	32.59	29.20	44.91	35.83
SD	63.07	83.84	80.34	74.75	47.95	77.29	45.30	62.41	42.57	43.10	59.76	59.84
annual non-psych. clinic stops, mean	20.65	23.41	22.88	21.95	17.45	26.70	18.67	19.77	20.83	18.55	17.81	18.74
SD	28.23	33.88	29.04	29.59	24.75	36.66	24.57	25.58	22.99	24.47	20.46	30.72
annual psych. clinic stops (groupings below), mean	20.13	31.65	33.39	25.60	15.47	26.26	12.26	19.09	11.76	10.65	27.10	17.08
SD	47.94	67.12	66.41	58.38	34.60	55.08	31.64	45.45	29.63	31.66	50.69	42.78
1. general psych. clinic stops, mean	8.16	10.80	9.35	7.36	7.57	8.57	6.05	8.82	6.10	5.60	10.82	5.96
SD	15.48	19.91	12.81	9.80	10.56	15.33	9.17	13.45	10.39	8.50	16.48	10.82
2. psych. case management clinic stops, mean	1.37	4.28	3.22	1.67	1.15	1.20	0.60	1.51	0.44	0.66	2.29	1.89
SD	12.78	29.17	17.11	9.22	8.32	9.94	4.18	13.28	5.93	7.22	13.48	12.94
3. psych. day treatment clinic stops, mean	3.64	5.97	11.22	4.54	1.53	4.42	1.91	2.95	1.77	2.08	3.45	5.38
SD	24.77	28.41	46.04	28.26	13.68	20.59	20.09	25.99	14.89	20.94	21.26	31.92

**Table 3B: FY01 All Patients, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
All Patients	196675	8358	4712	2939	8800	15201	8247	7428	5508	8348	8754	11857
<b><u>Outpatient utilization</u></b>												
(reported for those with some outpatient care)												
Patients with some outpatient care, %	98.9%	98.4%	98.7%	98.0%	99.1%	99.5%	99.0%	99.6%	99.1%	99.4%	99.2%	99.4%
annual visit days, mean	26.25	34.05	26.67	28.92	25.07	20.43	26.62	21.79	25.32	28.85	27.81	28.88
SD	35.90	46.40	34.38	42.02	38.32	27.93	37.39	21.82	28.14	33.63	37.09	39.73
Outpatient visit days, %												
1-12	42.8%	39.8%	45.0%	42.7%	47.7%	50.1%	43.1%	40.7%	39.8%	37.8%	39.9%	40.2%
13-24	26.3%	22.5%	22.2%	24.6%	26.0%	27.3%	26.9%	28.4%	25.4%	24.8%	25.3%	25.8%
25-36	12.1%	11.5%	10.9%	12.3%	10.5%	10.1%	11.9%	15.1%	14.2%	12.8%	13.8%	12.7%
37-48	6.1%	6.3%	6.7%	6.0%	4.6%	4.5%	5.4%	7.2%	7.8%	8.2%	6.6%	6.7%
49+	12.7%	19.9%	15.2%	14.4%	11.3%	8.0%	12.8%	8.7%	12.9%	16.4%	14.4%	14.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Pts. with some OP primary care, %	73.1%	71.2%	58.5%	81.1%	75.2%	73.0%	78.9%	77.2%	77.4%	70.7%	75.5%	71.0%
OP visit days with primary care clinic stops, mean	3.69	3.91	3.11	3.45	3.20	3.04	4.07	3.96	3.74	3.75	4.11	4.21
SD	3.29	3.62	2.64	2.89	2.93	2.29	3.64	3.14	3.39	3.24	4.10	3.82
Average number clinic stops per visit day, mean	1.51	1.61	1.87	1.72	1.53	1.52	1.66	1.51	1.43	1.44	1.38	1.46
SD	0.49	0.57	0.74	0.60	0.52	0.47	0.67	0.46	0.41	0.39	0.48	0.46
annual clinic stops (psych & non-psych), mean	40.78	58.73	54.32	54.37	40.28	31.12	42.86	34.08	36.82	41.89	38.61	43.56
SD	63.07	91.20	83.18	100.11	68.11	46.08	61.33	43.78	44.90	51.59	55.43	71.41
annual non-psych. clinic stops, mean	20.65	23.80	22.64	24.55	19.97	17.62	27.60	20.60	18.69	19.48	18.36	22.15
SD	28.23	29.28	37.75	40.24	30.72	21.80	40.21	22.31	21.19	24.18	23.53	33.49
annual psych. clinic stops (groupings below), mean	20.13	34.93	31.67	29.82	20.31	13.49	15.26	13.48	18.13	22.41	20.25	21.42
SD	47.94	75.38	64.28	77.94	49.90	32.87	35.80	34.51	34.87	41.24	45.62	49.80
1. general psych. clinic stops, mean	8.16	10.42	14.71	10.83	10.08	5.61	6.65	8.47	8.36	7.91	9.57	8.44
SD	15.48	20.22	30.91	20.97	27.88	8.70	14.76	15.33	17.32	12.69	16.61	15.40
2. psych. case management clinic stops, mean	1.37	4.37	0.94	1.02	0.04	0.61	0.92	0.21	2.63	1.98	0.26	0.14
SD	12.78	31.40	7.07	8.41	0.99	5.90	8.64	2.07	13.52	13.81	4.32	2.43
3. psych. day treatment clinic stops, mean	3.64	5.30	5.45	8.28	2.38	2.59	1.95	1.42	2.26	3.35	3.51	6.36
SD	24.77	31.62	29.21	39.19	20.53	20.81	15.23	23.86	10.32	18.69	18.93	36.04

**Table 3B: FY01 All Patients, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
All Patients	196675	10732	5783	9744	11261	5443	8299	11698	18161	8181	8666	8555
4. substance abuse clinic stops, mean	3.77	3.95	4.81	5.45	3.43	7.37	1.64	2.15	2.27	1.54	7.10	2.28
<i>SD</i>	20.42	17.21	16.66	28.29	22.94	32.79	9.47	10.32	15.83	9.41	25.85	14.03
5. psych. vocational clinic stops, mean	2.03	4.87	3.16	4.90	1.09	3.26	1.48	2.48	0.55	0.35	2.07	0.85
<i>SD</i>	17.01	26.16	21.45	27.54	10.03	21.74	14.53	18.55	7.78	5.36	16.14	10.50
6. PTSD clinic stops, mean	0.64	0.87	0.92	0.99	0.35	0.78	0.25	0.95	0.20	0.19	0.79	0.41
<i>SD</i>	5.33	5.69	6.28	6.85	2.68	5.57	2.45	7.19	2.21	2.60	7.33	4.15
7. psych. homeless clinic stops, mean	0.49	0.90	0.53	0.67	0.34	0.66	0.29	0.21	0.27	0.21	0.58	0.31
<i>SD</i>	3.62	6.93	3.63	4.79	1.93	3.46	2.33	1.55	2.22	1.38	3.48	2.00
Other VISN OP visit days, mean	0.41	0.25	0.66	0.46	0.32	0.49	0.36	0.36	0.27	0.47	0.43	0.25
<i>SD</i>	2.63	2.04	3.99	3.49	2.19	2.90	2.32	2.46	1.85	2.64	3.02	1.52
Other station OP visit days, mean	1.53	1.62	0.66	1.35	1.23	1.26	0.91	1.09	0.54	0.63	1.30	1.04
<i>SD</i>	7.59	6.50	3.99	5.73	4.16	5.72	3.28	4.23	2.59	3.04	5.05	3.35

**Table 3B: FY01 All Patients, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
All Patients	196675	8358	4712	2939	8800	15201	8247	7428	5508	8348	8754	11857
4. substance abuse clinic stops, mean	3.77	9.36	5.90	3.49	3.95	2.48	2.86	1.55	2.71	5.55	5.06	3.06
<i>SD</i>	<i>20.42</i>	<i>40.60</i>	<i>21.60</i>	<i>22.83</i>	<i>16.53</i>	<i>14.90</i>	<i>12.81</i>	<i>7.53</i>	<i>13.81</i>	<i>20.49</i>	<i>31.05</i>	<i>18.88</i>
5. psych. vocational clinic stops, mean	2.03	3.75	3.12	5.34	3.06	0.86	2.00	0.94	1.05	1.61	0.66	1.83
<i>SD</i>	<i>17.01</i>	<i>23.60</i>	<i>20.39</i>	<i>43.12</i>	<i>20.58</i>	<i>9.47</i>	<i>16.02</i>	<i>9.32</i>	<i>11.88</i>	<i>12.17</i>	<i>8.13</i>	<i>15.28</i>
6. PTSD clinic stops, mean	0.64	0.75	1.07	0.74	0.70	0.72	0.41	0.55	0.69	1.13	0.53	0.81
<i>SD</i>	<i>5.33</i>	<i>6.43</i>	<i>8.19</i>	<i>7.68</i>	<i>5.32</i>	<i>6.13</i>	<i>3.20</i>	<i>3.69</i>	<i>4.76</i>	<i>5.69</i>	<i>4.45</i>	<i>6.25</i>
7. psych. homeless clinic stops, mean	0.49	0.95	0.48	0.11	0.11	0.60	0.45	0.31	0.40	0.86	0.64	0.77
<i>SD</i>	<i>3.62</i>	<i>7.31</i>	<i>4.37</i>	<i>1.10</i>	<i>0.99</i>	<i>3.93</i>	<i>2.72</i>	<i>1.93</i>	<i>2.73</i>	<i>4.10</i>	<i>4.05</i>	<i>3.29</i>
Other VISN OP visit days, mean	0.41	0.46	0.64	0.44	0.42	0.37	0.52	0.50	0.46	0.59	0.39	0.38
<i>SD</i>	<i>2.63</i>	<i>3.17</i>	<i>3.72</i>	<i>2.69</i>	<i>3.13</i>	<i>2.15</i>	<i>2.88</i>	<i>2.47</i>	<i>2.27</i>	<i>3.44</i>	<i>2.25</i>	<i>2.26</i>
Other station OP visit days, mean	1.53	2.20	1.48	0.44	10.11	0.74	0.89	0.96	3.48	1.22	1.07	0.85
<i>SD</i>	<i>7.59</i>	<i>7.40</i>	<i>5.19</i>	<i>2.69</i>	<i>26.89</i>	<i>3.06</i>	<i>4.10</i>	<i>3.51</i>	<i>11.61</i>	<i>4.64</i>	<i>3.82</i>	<i>3.39</i>

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Schizophrenia	98739	5109	2830	6107	6385	2983	4167	6705	9526	3636	4783	4924
<b><u>Hospital Based Utilization</u></b>												
Pts. with some Hosp. Based Utilization, %	28.8%	26.6%	25.6%	29.7%	27.2%	36.1%	35.1%	30.8%	22.5%	33.0%	32.5%	30.3%
<b><u>Hospital based utilization: Overall</u></b> (psych & non-psych- for those with some hosp.util.)												
Inpatient stays, mean	1.88	1.90	1.94	1.94	1.83	2.08	2.01	1.79	1.81	1.86	1.92	1.75
<i>SD</i>	<i>1.51</i>	<i>1.61</i>	<i>1.72</i>	<i>1.52</i>	<i>1.35</i>	<i>1.68</i>	<i>1.59</i>	<i>1.41</i>	<i>1.49</i>	<i>1.45</i>	<i>1.47</i>	<i>1.38</i>
Average LOS, mean	21.07	31.88	18.15	32.98	23.00	25.90	24.83	24.14	9.23	24.67	16.62	40.13
<i>SD</i>	<i>49.42</i>	<i>74.20</i>	<i>42.01</i>	<i>65.21</i>	<i>54.48</i>	<i>60.22</i>	<i>58.60</i>	<i>59.49</i>	<i>12.32</i>	<i>59.54</i>	<i>25.13</i>	<i>84.53</i>
Cumu. DOS, mean	33.51	46.67	30.62	52.50	34.25	43.40	40.15	35.39	16.45	38.98	28.94	52.96
<i>SD</i>	<i>60.66</i>	<i>85.53</i>	<i>59.18</i>	<i>80.50</i>	<i>61.49</i>	<i>76.31</i>	<i>69.96</i>	<i>67.03</i>	<i>23.67</i>	<i>75.47</i>	<i>37.83</i>	<i>91.86</i>
Cumu. DOS, %												
1 to 7	32.0%	32.1%	34.1%	22.4%	28.0%	31.9%	28.0%	30.4%	43.1%	34.5%	26.6%	28.0%
8 to 14	20.4%	18.4%	18.8%	17.7%	20.6%	20.3%	19.6%	22.9%	21.9%	21.0%	20.8%	20.1%
15 to 44	29.8%	27.7%	32.1%	30.3%	33.1%	24.9%	31.7%	28.9%	27.6%	26.1%	34.0%	27.6%
45 to 89	9.7%	9.3%	8.7%	13.3%	10.9%	9.6%	9.7%	9.7%	5.9%	7.9%	12.5%	8.4%
90 to 179	4.5%	4.8%	3.2%	8.8%	3.9%	6.8%	5.7%	3.9%	1.2%	4.6%	4.7%	5.8%
180 to 359	2.1%	3.6%	1.2%	5.2%	1.6%	4.0%	3.1%	1.6%	0.3%	2.8%	1.4%	5.8%
360+	1.5%	4.1%	1.9%	2.3%	1.9%	2.5%	2.1%	2.6%	0.0%	3.2%	0.0%	4.3%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. pts. with a 100+ day Hosp. stay, %	5.1%	9.2%	4.0%	10.1%	4.9%	9.2%	6.6%	5.6%	0.4%	6.9%	3.2%	12.4%
Cumul. DOS, pts. with a 100+ day hosp. stay, mean	250.15	287.65	278.83	252.34	260.80	248.25	263.48	273.40	228.11	280.82	175.10	268.36
<i>SD</i>	<i>97.64</i>	<i>91.23</i>	<i>99.84</i>	<i>95.79</i>	<i>107.28</i>	<i>91.94</i>	<i>93.17</i>	<i>99.69</i>	<i>86.16</i>	<i>95.35</i>	<i>52.41</i>	<i>96.96</i>
Hosp. pts. who had a 150+ day hosp. stay, %	3.3%	7.1%	2.9%	6.6%	3.1%	5.9%	5.0%	3.9%	0.2%	5.4%	1.6%	9.5%
Cumul. DOS, pts. with a 150+ day hosp. stay, mean	302.91	322.80	329.14	304.38	328.56	293.75	299.19	320.86	256.75	319.62	205.64	304.74
<i>SD</i>	<i>73.34</i>	<i>64.99</i>	<i>55.61</i>	<i>66.75</i>	<i>61.93</i>	<i>78.53</i>	<i>70.30</i>	<i>73.22</i>	<i>66.37</i>	<i>64.22</i>	<i>42.46</i>	<i>76.26</i>
Cumu. DOS at Other VISNs	1.21	0.31	0.93	0.56	0.73	0.95	0.74	0.89	0.55	0.71	0.53	0.41
<i>SD</i>	<i>9.09</i>	<i>3.05</i>	<i>5.46</i>	<i>4.52</i>	<i>4.94</i>	<i>6.09</i>	<i>4.78</i>	<i>5.57</i>	<i>5.51</i>	<i>4.70</i>	<i>3.31</i>	<i>3.52</i>
Cumu. DOS at Other Stations	2.74	2.60	0.93	3.54	2.87	3.63	2.76	2.50	0.87	1.13	2.26	2.46
<i>SD</i>	<i>11.76</i>	<i>10.78</i>	<i>5.46</i>	<i>11.67</i>	<i>8.91</i>	<i>13.06</i>	<i>9.76</i>	<i>9.34</i>	<i>6.12</i>	<i>6.07</i>	<i>8.26</i>	<i>10.04</i>

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Schizophrenia	98739	3976	2094	1478	3893	7780	3754	2829	2165	3404	4396	5815
<b><u>Hospital Based Utilization</u></b>												
Pts. with some Hosp. Based Utilization, %	28.8%	31.1%	25.1%	25.7%	30.4%	30.7%	31.0%	28.2%	27.2%	27.9%	23.6%	26.3%
<b><u>Hospital based utilization: Overall</u></b> (psych & non-psych- for those with some hosp.util.)												
Inpatient stays, mean	1.88	1.97	1.96	1.74	1.94	1.79	2.00	1.89	1.84	1.84	1.89	1.81
<i>SD</i>	<i>1.51</i>	<i>1.75</i>	<i>1.64</i>	<i>1.26</i>	<i>1.68</i>	<i>1.30</i>	<i>1.79</i>	<i>1.41</i>	<i>1.34</i>	<i>1.45</i>	<i>1.46</i>	<i>1.48</i>
Average LOS, mean	21.07	24.68	9.53	10.57	14.60	15.44	26.89	8.94	18.44	9.92	14.43	16.85
<i>SD</i>	<i>49.42</i>	<i>56.26</i>	<i>18.86</i>	<i>10.17</i>	<i>24.98</i>	<i>23.47</i>	<i>62.12</i>	<i>8.74</i>	<i>39.55</i>	<i>13.67</i>	<i>24.00</i>	<i>24.41</i>
Cumu. DOS, mean	33.51	37.30	17.21	18.69	28.43	26.26	40.98	16.68	31.10	18.19	27.15	28.59
<i>SD</i>	<i>60.66</i>	<i>64.24</i>	<i>28.46</i>	<i>22.76</i>	<i>48.47</i>	<i>35.24</i>	<i>71.19</i>	<i>19.01</i>	<i>55.47</i>	<i>26.31</i>	<i>45.55</i>	<i>41.63</i>
Cumu. DOS, %												
1 to 7	32.0%	28.7%	43.2%	37.6%	33.6%	31.2%	27.5%	37.7%	33.0%	40.1%	36.6%	33.8%
8 to 14	20.4%	19.8%	21.3%	23.4%	21.0%	19.7%	19.2%	24.7%	20.7%	22.8%	19.3%	17.7%
15 to 44	29.8%	31.1%	27.4%	28.9%	30.0%	32.2%	30.7%	29.2%	29.6%	29.4%	29.0%	30.4%
45 to 89	9.7%	10.1%	7.0%	8.2%	8.5%	12.1%	11.9%	7.3%	8.7%	4.6%	8.7%	11.3%
90 to 179	4.5%	6.5%	0.6%	1.8%	4.5%	3.9%	5.3%	1.3%	4.8%	2.6%	4.3%	5.4%
180 to 359	2.1%	1.7%	0.4%	0.0%	1.9%	0.9%	3.0%	0.0%	2.2%	0.4%	1.8%	1.4%
360+	1.5%	2.1%	0.2%	0.0%	0.4%	0.0%	2.4%	0.0%	1.0%	0.0%	0.3%	0.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. pts. with a 100+ day Hosp. stay, %	5.1%	7.8%	0.8%	0.5%	3.5%	2.0%	7.8%	0.0%	4.8%	0.9%	2.6%	3.4%
Cumul. DOS, pts. with a 100+ day hosp. stay, mean	250.15	216.58	252.25	143.00	221.78	184.40	248.08	0.00	238.36	172.11	236.81	186.46
<i>SD</i>	<i>97.64</i>	<i>104.28</i>	<i>103.01</i>	<i>19.80</i>	<i>86.91</i>	<i>71.03</i>	<i>101.35</i>	<i>0.00</i>	<i>89.20</i>	<i>38.58</i>	<i>74.44</i>	<i>64.81</i>
Hosp. pts. who had a 150+ day hosp. stay, %	3.3%	4.0%	0.8%	0.0%	1.7%	0.7%	5.2%	0.0%	2.7%	0.3%	1.3%	1.1%
Cumul. DOS, pts. with a 150+ day hosp. stay, mean	302.91	298.53	252.25	0.00	286.45	250.24	305.39	0.00	292.56	217.67	281.15	235.18
<i>SD</i>	<i>73.34</i>	<i>82.44</i>	<i>103.01</i>	<i>0.00</i>	<i>62.94</i>	<i>65.79</i>	<i>69.78</i>	<i>0.00</i>	<i>73.43</i>	<i>25.74</i>	<i>72.71</i>	<i>66.87</i>
Cumu. DOS at Other VISNs	1.21	0.51	0.93	1.75	12.65	0.59	1.00	0.96	1.21	0.68	0.86	0.75
<i>SD</i>	<i>9.09</i>	<i>3.73</i>	<i>5.88</i>	<i>8.96</i>	<i>35.57</i>	<i>4.10</i>	<i>6.00</i>	<i>5.15</i>	<i>9.93</i>	<i>4.14</i>	<i>5.47</i>	<i>4.62</i>
Cumu. DOS at Other Stations	2.74	3.63	1.98	1.75	12.47	1.53	2.26	2.07	4.32	1.99	2.84	1.61
<i>SD</i>	<i>11.76</i>	<i>12.40</i>	<i>6.92</i>	<i>8.96</i>	<i>35.10</i>	<i>6.95</i>	<i>9.90</i>	<i>7.37</i>	<i>16.11</i>	<i>7.05</i>	<i>9.75</i>	<i>6.71</i>

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Schizophrenia	98739	5109	2830	6107	6385	2983	4167	6705	9526	3636	4783	4924
<u>Hospital based utilization: Non-Psych</u>												
( non-psych- for those with some hosp.based util.)												
Pts. with non-psych hospital stays, %	12.3%	10.7%	11.8%	12.4%	11.6%	14.5%	13.2%	13.0%	11.8%	14.4%	15.2%	11.4%
Inpatient stays, mean	0.69	0.65	0.78	0.72	0.70	0.67	0.58	0.66	0.87	0.70	0.76	0.61
SD	1.11	1.10	1.30	1.16	1.10	1.15	0.96	1.10	1.20	1.10	1.18	1.10
Average LOS, mean	11.07	11.17	7.46	12.28	10.05	14.48	13.44	12.92	9.09	14.75	14.89	17.86
SD	25.33	26.76	14.09	20.58	22.89	39.40	28.32	30.58	15.17	34.96	27.39	52.21
Cumu. Days of Stay, mean	7.17	6.77	5.56	9.18	6.44	8.66	7.13	7.71	7.98	9.59	9.80	8.91
SD	22.75	21.66	13.91	28.15	18.78	32.20	23.84	24.73	19.70	32.11	24.50	36.09
Cumu. Days of Stay, %												
0	57.2%	59.8%	53.8%	58.1%	57.2%	59.8%	62.5%	57.9%	47.3%	56.3%	53.2%	62.2%
1 to 7	22.9%	21.1%	25.5%	19.4%	23.0%	21.9%	19.0%	22.0%	27.3%	23.1%	22.3%	20.0%
8 to 14	7.6%	7.2%	8.7%	7.4%	8.0%	6.6%	6.8%	7.0%	9.7%	7.8%	7.8%	6.3%
15 to 44	8.9%	8.5%	10.3%	10.2%	8.6%	6.9%	7.7%	9.3%	12.1%	7.5%	10.7%	7.6%
45 to 89	2.2%	2.1%	1.4%	2.9%	2.1%	2.9%	2.4%	2.4%	2.9%	2.8%	3.5%	1.5%
90 to 179	0.9%	1.2%	0.1%	1.5%	0.9%	1.3%	1.2%	1.1%	0.5%	1.5%	2.1%	1.5%
180 to 359	0.3%	0.1%	0.1%	0.3%	0.1%	0.3%	0.3%	0.2%	0.2%	0.9%	0.3%	0.8%
360+	0.1%	0.1%	0.0%	0.2%	0.1%	0.4%	0.1%	0.2%	0.0%	0.1%	0.0%	0.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day non-psych hosp.stay, %	0.8%	0.6%	0.1%	0.9%	0.7%	1.4%	1.2%	1.0%	0.3%	1.7%	1.4%	1.8%
Cumul. DOS, pts. with a 100+ day hosp. stay, mean	191.99	190.88	220.00	220.88	153.50	227.80	168.44	189.62	223.00	205.70	151.57	232.52
SD	86.32	99.46	0.00	94.80	82.33	108.17	78.95	93.92	74.48	82.91	41.37	110.47
Hosp. Pts. with a 150+ day non-psych hosp.stay, %	0.4%	0.3%	0.1%	0.6%	0.2%	0.8%	0.5%	0.5%	0.2%	0.9%	0.5%	1.1%
Cumul. DOS, pts. with a 150+ day hosp. stay, mean	258.13	254.75	220.00	271.45	276.00	296.22	232.75	253.18	255.25	265.36	195.14	305.81
SD	76.90	109.55	0.00	79.41	82.66	84.61	80.22	90.19	66.34	63.96	37.79	83.19
Other VISN cumu. DOS, mean	0.22	0.02	0.17	0.08	0.13	0.23	0.09	0.14	0.06	0.18	0.05	0.15
SD	2.80	0.51	2.17	1.33	1.91	2.90	1.17	1.99	0.88	2.90	0.60	2.86
Other station cumu. DOS, mean	0.65	0.79	0.17	1.08	0.52	0.52	0.53	0.73	0.19	0.22	0.65	0.83
SD	4.59	4.60	2.17	5.65	2.85	4.32	4.26	5.08	2.03	3.02	4.58	5.38

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Schizophrenia	98739	3976	2094	1478	3893	7780	3754	2829	2165	3404	4396	5815
<u>Hospital based utilization: Non-Psych</u>												
( non-psych- for those with some hosp.based util.)												
Pts. with non-psych hospital stays, %	12.3%	12.3%	12.1%	13.5%	13.2%	11.9%	11.9%	13.2%	12.4%	12.5%	10.8%	10.3%
Inpatient stays, mean	0.69	0.67	0.81	0.76	0.68	0.61	0.64	0.72	0.71	0.72	0.68	0.61
SD	1.11	1.15	1.16	0.95	1.04	1.03	1.19	1.05	1.03	1.18	0.99	1.04
Average LOS, mean	11.07	10.01	6.63	7.93	8.38	11.03	10.78	5.88	9.82	7.63	10.27	8.25
SD	25.33	24.57	20.00	9.22	13.60	20.01	20.47	7.88	16.02	18.31	21.40	14.00
Cumu. Days of Stay, mean	7.17	6.41	5.17	6.36	5.89	6.43	6.05	4.12	6.57	5.05	7.26	5.16
SD	22.75	21.08	16.12	13.51	15.95	18.25	17.53	8.67	16.91	15.29	24.00	16.27
Cumu. Days of Stay, %												
0	57.2%	60.4%	51.9%	47.4%	56.5%	61.3%	61.5%	53.3%	54.3%	55.1%	54.2%	60.8%
1 to 7	22.9%	21.5%	27.8%	30.0%	24.0%	20.1%	19.2%	29.2%	24.0%	28.5%	26.2%	24.2%
8 to 14	7.6%	7.1%	9.1%	9.5%	8.1%	6.6%	7.1%	9.4%	8.5%	8.5%	7.2%	6.2%
15 to 44	8.9%	7.7%	10.3%	10.5%	9.3%	8.4%	9.5%	7.3%	10.7%	6.3%	9.6%	6.3%
45 to 89	2.2%	2.5%	0.8%	2.1%	1.5%	2.6%	1.9%	0.9%	1.5%	0.8%	1.6%	1.6%
90 to 179	0.9%	0.6%	0.0%	0.5%	0.4%	0.8%	0.5%	0.0%	0.9%	0.5%	0.6%	0.8%
180 to 359	0.3%	0.2%	0.2%	0.0%	0.2%	0.1%	0.3%	0.0%	0.2%	0.2%	0.6%	0.1%
360+	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day non-psych hosp.stay, %	0.8%	0.5%	0.2%	0.0%	0.5%	0.6%	0.7%	0.0%	0.7%	0.3%	0.9%	0.5%
Cumul. DOS, pts. with a 100+ day hosp. stay, mean	191.99	215.17	314.00	0.00	159.83	153.86	159.13	0.00	150.75	189.00	221.89	161.14
SD	86.32	105.66	0.00	0.00	44.06	64.75	53.73	0.00	46.36	50.74	61.50	44.08
Hosp. Pts. with a 150+ day non-psych hosp.stay, %	0.4%	0.2%	0.2%	0.0%	0.2%	0.2%	0.3%	0.0%	0.3%	0.2%	0.5%	0.1%
Cumul. DOS, pts. with a 150+ day hosp. stay, mean	258.13	306.00	314.00	0.00	211.50	223.00	200.75	0.00	186.00	216.50	246.60	218.00
SD	76.90	53.03	0.00	0.00	28.99	63.51	44.82	0.00	32.53	24.75	58.93	0.00
Other VISN cumu. DOS, mean	0.22	0.08	0.24	0.43	2.36	0.08	0.17	0.12	0.48	0.11	0.13	0.21
SD	2.80	1.05	2.37	4.00	8.31	1.01	1.95	1.14	8.66	1.37	1.70	2.68
Other station cumu. DOS, mean	0.65	0.95	0.83	0.43	2.39	0.25	0.51	0.49	1.09	0.52	0.63	0.44
SD	4.59	6.23	3.90	4.00	8.31	1.94	4.63	3.21	9.43	2.99	5.21	3.58

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Schizophrenia	98739	5109	2830	6107	6385	2983	4167	6705	9526	3636	4783	4924
<u>Hospital based utilization: Psych.</u>												
( psych- for those with some hosp.based util.)												
Pts. with psych hospital stays, %	19.4%	18.3%	16.6%	20.4%	18.5%	25.2%	25.7%	21.1%	12.3%	22.2%	22.1%	21.7%
Inpatient stays, mean	1.19	1.24	1.16	1.22	1.14	1.41	1.42	1.12	0.94	1.17	1.15	1.14
<i>SD</i>	<i>1.42</i>	<i>1.54</i>	<i>1.49</i>	<i>1.38</i>	<i>1.26</i>	<i>1.65</i>	<i>1.61</i>	<i>1.25</i>	<i>1.37</i>	<i>1.34</i>	<i>1.26</i>	<i>1.23</i>
Average LOS, mean	26.61	42.31	25.50	44.00	30.03	31.06	29.79	30.02	9.30	29.66	17.81	49.27
<i>SD</i>	<i>57.66</i>	<i>86.84</i>	<i>52.78</i>	<i>76.90</i>	<i>63.64</i>	<i>66.97</i>	<i>66.17</i>	<i>68.52</i>	<i>8.86</i>	<i>68.71</i>	<i>25.53</i>	<i>92.90</i>
Cumu. Days of Stay, mean	26.34	39.91	25.06	43.34	27.82	34.74	33.02	27.68	8.47	29.39	19.14	44.05
<i>SD</i>	<i>58.28</i>	<i>85.12</i>	<i>59.28</i>	<i>78.41</i>	<i>60.20</i>	<i>72.27</i>	<i>67.50</i>	<i>64.21</i>	<i>16.56</i>	<i>71.40</i>	<i>32.52</i>	<i>87.90</i>
Cumu. Days of Stay, %												
0	32.5%	31.2%	35.0%	31.3%	31.8%	30.2%	26.9%	31.2%	45.2%	32.7%	31.9%	28.4%
1 to 7	16.6%	17.0%	17.1%	9.6%	12.9%	17.5%	16.6%	15.5%	21.5%	19.5%	14.0%	15.6%
8 to 14	15.0%	13.8%	12.8%	12.4%	15.4%	15.6%	15.0%	18.0%	14.7%	16.0%	17.2%	15.0%
15 to 44	22.1%	19.7%	22.8%	22.1%	25.6%	19.2%	24.6%	22.1%	15.4%	18.9%	25.5%	20.7%
45 to 89	7.2%	7.2%	6.5%	10.6%	8.4%	6.4%	8.0%	7.0%	2.6%	5.3%	8.0%	7.0%
90 to 179	3.5%	3.8%	2.8%	7.3%	2.7%	5.5%	4.2%	2.6%	0.6%	2.8%	2.5%	4.4%
180 to 359	1.8%	3.5%	1.1%	4.6%	1.5%	3.7%	2.7%	1.3%	0.0%	1.8%	0.9%	4.9%
360+	1.4%	3.9%	1.9%	2.0%	1.8%	1.9%	2.0%	2.4%	0.0%	3.0%	0.0%	4.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day psych hosp.stay, %	4.4%	8.7%	3.9%	9.3%	4.3%	7.8%	5.4%	4.7%	0.1%	5.3%	1.9%	10.7%
Cumul. DOS, pts. with a 100+ day hosp. stay, mean	254.85	289.70	280.14	249.74	270.99	248.94	275.49	283.20	237.00	301.75	183.17	269.91
<i>SD</i>	<i>97.91</i>	<i>90.67</i>	<i>100.94</i>	<i>95.36</i>	<i>102.59</i>	<i>89.26</i>	<i>89.13</i>	<i>96.67</i>	<i>168.29</i>	<i>89.29</i>	<i>58.72</i>	<i>95.51</i>
Hosp. Pts. with a 150+ day psych hosp.stay, %	2.9%	3.7%	0.6%	0.0%	1.5%	0.5%	4.9%	0.0%	2.6%	0.1%	0.8%	1.0%
Cumul. DOS, pts. with a 150+ day hosp. stay, mean	304.90	323.57	333.65	302.50	322.58	291.16	302.95	328.14	0.00	328.85	206.11	302.23
<i>SD</i>	<i>73.13</i>	<i>63.94</i>	<i>51.26</i>	<i>67.79</i>	<i>67.22</i>	<i>77.22</i>	<i>69.00</i>	<i>67.27</i>	<i>0.00</i>	<i>61.84</i>	<i>44.43</i>	<i>77.23</i>
Other VISN cumu. DOS, mean	0.99	0.29	0.76	0.48	0.60	0.72	0.65	0.76	0.49	0.53	0.48	0.26
<i>SD</i>	<i>8.54</i>	<i>3.01</i>	<i>5.02</i>	<i>4.18</i>	<i>4.44</i>	<i>5.37</i>	<i>4.60</i>	<i>5.17</i>	<i>5.43</i>	<i>3.63</i>	<i>3.08</i>	<i>2.06</i>
Other station cumu. DOS, mean	2.11	1.82	0.76	2.46	2.35	3.11	2.23	1.77	0.68	0.91	1.61	1.63
<i>SD</i>	<i>10.79</i>	<i>9.80</i>	<i>5.02</i>	<i>10.14</i>	<i>8.42</i>	<i>11.90</i>	<i>8.70</i>	<i>7.75</i>	<i>5.74</i>	<i>5.22</i>	<i>6.43</i>	<i>8.41</i>

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Schizophrenia	98739	3976	2094	1478	3893	7780	3754	2829	2165	3404	4396	5815
<u>Hospital based utilization: Psych.</u>												
( psych- for those with some hosp.based util.)												
	19.4%	21.9%	15.8%	15.2%	20.5%	21.5%	22.2%	18.2%	18.0%	18.4%	15.2%	18.3%
Inpatient stays, mean	1.19	1.31	1.15	0.98	1.25	1.19	1.36	1.17	1.12	1.12	1.20	1.20
SD	1.42	1.68	1.53	1.25	1.60	1.27	1.67	1.35	1.27	1.31	1.47	1.42
Average LOS, mean	26.61	32.27	11.34	12.64	18.41	17.67	34.09	10.85	24.33	11.73	17.90	21.16
SD	57.66	65.31	16.25	10.78	30.04	24.86	72.21	8.76	48.67	12.90	29.46	27.42
Cumu. Days of Stay, mean	26.34	30.89	12.05	12.33	22.54	19.84	34.93	12.56	24.56	13.14	19.89	23.43
SD	58.28	62.39	25.17	21.29	47.51	32.94	71.10	18.92	53.21	22.75	40.24	40.30
Cumu. Days of Stay, %												
0	32.5%	29.6%	37.3%	40.8%	32.7%	29.9%	28.4%	35.7%	33.8%	34.1%	35.6%	30.4%
1 to 7	16.6%	15.0%	25.3%	18.2%	17.2%	17.5%	15.7%	18.3%	16.5%	20.5%	17.5%	17.1%
8 to 14	15.0%	14.2%	12.5%	15.3%	15.6%	15.0%	13.6%	17.4%	15.3%	16.3%	14.0%	12.6%
15 to 44	22.1%	24.5%	18.3%	19.5%	22.3%	24.9%	23.5%	21.8%	20.2%	23.5%	20.9%	24.5%
45 to 89	7.2%	7.3%	5.7%	5.0%	6.4%	9.0%	8.9%	5.6%	7.7%	3.8%	7.1%	9.6%
90 to 179	3.5%	6.3%	0.6%	1.3%	3.7%	2.9%	4.7%	1.3%	3.7%	1.6%	3.4%	4.6%
180 to 359	1.8%	1.2%	0.2%	0.0%	1.7%	0.7%	2.8%	0.0%	1.9%	0.2%	1.3%	1.1%
360+	1.4%	1.9%	0.2%	0.0%	0.4%	0.0%	2.4%	0.0%	0.9%	0.0%	0.2%	0.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day psych hosp.stay, %	4.4%	7.4%	0.6%	0.5%	3.0%	1.4%	7.2%	0.0%	4.3%	0.6%	1.7%	3.0%
Cumul. DOS, pts. with a 100+ day hosp. stay, mean	254.85	211.12	231.67	143.00	230.83	188.30	251.99	0.00	236.00	154.50	232.39	184.20
SD	97.91	104.87	115.65	19.80	89.91	76.50	102.30	0.00	90.22	21.84	78.42	67.51
Hosp. Pts. with a 150+ day psych hosp.stay, %	2.9%	3.7%	0.6%	0.0%	1.5%	0.5%	4.9%	0.0%	2.6%	0.1%	0.8%	1.0%
Cumul. DOS, pts. with a 150+ day hosp. stay, mean	304.90	293.74	231.67	0.00	294.50	261.58	309.39	0.00	287.27	188.00	279.25	235.75
SD	73.13	86.71	115.65	0.00	60.61	65.97	68.46	0.00	72.62	0.00	85.22	68.38
Other VISN cumu. DOS, mean	0.99	0.43	0.69	1.32	10.43	0.51	0.83	0.84	0.73	0.57	0.73	0.54
SD	8.54	3.57	4.53	8.04	34.69	3.90	5.66	4.91	4.93	3.84	5.17	3.61
Other station cumu. DOS, mean	2.11	2.68	1.15	1.32	10.64	1.28	1.75	1.58	3.23	1.47	2.22	1.17
SD	10.79	10.88	5.06	8.04	34.69	6.54	8.43	6.61	13.25	6.23	8.33	5.57

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Schizophrenia	98739	5109	2830	6107	6385	2983	4167	6705	9526	3636	4783	4924
<b>Other 24 hour institutional care</b>												
Pts. with some other 24 hour institutional care, %	8.1%	7.0%	11.6%	10.9%	10.8%	9.4%	7.8%	4.4%	3.2%	6.1%	16.7%	6.8%
<u>Residential Rehabilitation</u>												
(reported for those with some res rehab care)												
Pts. with some residential rehab. care, %	1.4%	1.2%	4.1%	1.6%	1.3%	0.9%	1.2%	0.1%	1.0%	0.9%	3.4%	1.8%
Number stays, mean	1.12	1.10	1.22	1.06	1.08	1.04	1.04	1.17	1.07	1.06	1.17	1.28
SD	0.35	0.30	0.49	0.24	0.28	0.19	0.20	0.41	0.25	0.24	0.41	0.56
Average LOS, mean	46.63	162.26	26.15	94.15	76.51	26.02	23.41	24.67	43.39	11.14	37.45	49.08
SD	65.90	159.30	15.88	96.00	98.23	18.53	14.97	12.93	27.49	5.96	33.21	62.30
Cumu. DOS, mean	50.55	165.05	30.59	97.97	79.88	27.59	23.67	27.00	44.73	11.79	43.40	61.85
SD	68.30	157.26	18.62	96.84	100.98	21.54	14.72	11.83	27.28	6.54	38.86	75.70
Cumu. Days of Stay, %												
1 to 7	11.3%	5.1%	7.8%	9.5%	8.4%	22.2%	20.8%	0.0%	12.0%	27.3%	5.6%	10.1%
8 to 14	11.4%	8.5%	12.9%	9.5%	7.2%	7.4%	10.4%	16.7%	6.5%	48.5%	15.4%	11.2%
15 to 44	47.2%	22.0%	63.8%	22.1%	41.0%	51.9%	62.5%	83.3%	28.3%	24.2%	45.7%	42.7%
45 to 89	17.2%	22.0%	14.7%	17.9%	16.9%	18.5%	6.3%	0.0%	44.6%	0.0%	22.8%	11.2%
90 to 179	7.6%	3.4%	0.9%	24.2%	14.5%	0.0%	0.0%	0.0%	8.7%	0.0%	9.3%	15.7%
180 to 359	3.3%	3.4%	0.0%	16.8%	7.2%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	7.9%
360+	1.9%	35.6%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Res Rehab pts with 100+ day Res Rehab stay, %	9.9%	42.4%	0.0%	34.7%	22.9%	0.0%	0.0%	0.0%	2.2%	0.0%	6.8%	18.0%
Cumul. DOS, pts. w/ a 100+ day Res Rehab. stay, mean	221.19	337.64	0.00	204.64	238.21	0.00	0.00	0.00	102.50	0.00	153.55	198.56
SD	96.74	72.04	0.00	88.08	96.97	0.00	0.00	0.00	2.12	0.00	27.05	76.01
Res Rehab pts. with 150+ day Res Rehab stay, %	6.2%	39.0%	0.0%	18.9%	16.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%	11.2%
Cumul. DOS, pts. with a 150+ day Res Rehab stay, mean	273.44	355.96	0.00	262.56	277.14	0.00	0.00	0.00	0.00	0.00	170.75	235.80
SD	83.38	35.27	0.00	76.85	82.53	0.00	0.00	0.00	0.00	0.00	18.25	70.88
Other VISN cumu. DOS, mean	2.79	0.00	0.07	0.24	0.89	0.81	0.06	27.00	0.71	3.58	0.36	0.61
SD	18.11	0.00	0.74	1.46	4.44	3.28	0.43	11.83	3.81	7.62	3.28	4.11
Other station cumu. DOS, mean	4.65	4.83	0.07	2.22	2.60	5.15	2.85	27.00	1.42	4.00	0.60	4.99
SD	19.94	14.78	0.74	9.26	6.81	10.65	9.29	11.83	7.80	7.80	4.52	19.95

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Schizophrenia	98739	3976	2094	1478	3893	7780	3754	2829	2165	3404	4396	5815
<b>Other 24 hour institutional care</b>												
Pts. with some other 24 hour institutional care, %	8.1%	14.5%	13.8%	14.3%	6.7%	4.0%	10.4%	5.2%	5.5%	10.7%	6.0%	8.5%
<u>Residential Rehabilitation</u>												
(reported for those with some res rehab care)												
Pts. with some residential rehab. care, %	1.4%	4.7%	1.6%	0.1%	0.9%	0.7%	1.8%	1.0%	1.2%	1.3%	1.0%	0.1%
Number stays, mean	1.12	1.10	1.06	2.00	1.26	1.07	1.09	1.07	1.07	1.02	1.07	1.00
SD	0.35	0.34	0.24	1.41	0.51	0.26	0.28	0.26	0.27	0.15	0.25	0.00
Average LOS, mean	46.63	30.39	44.14	20.67	87.77	21.50	24.36	57.19	41.06	22.92	24.37	11.13
SD	65.90	26.34	36.81	17.44	69.58	16.44	44.11	55.78	28.26	13.48	15.87	9.20
Cumu. DOS, mean	50.55	32.71	47.39	29.00	104.89	23.30	26.30	60.10	44.26	23.07	25.98	11.13
SD	68.30	27.76	40.34	5.66	77.79	18.42	45.04	56.27	30.89	13.33	17.42	9.20
Cumu. Days of Stay, %												
1 to 7	11.3%	10.7%	6.1%	0.0%	5.7%	15.8%	15.9%	17.2%	14.8%	13.6%	17.4%	37.5%
8 to 14	11.4%	10.2%	6.1%	0.0%	2.9%	17.5%	13.0%	3.4%	3.7%	6.8%	10.9%	37.5%
15 to 44	47.2%	64.2%	45.5%	100.0%	17.1%	59.6%	63.8%	27.6%	37.0%	70.5%	58.7%	25.0%
45 to 89	17.2%	12.3%	33.3%	0.0%	25.7%	5.3%	4.3%	20.7%	37.0%	9.1%	13.0%	0.0%
90 to 179	7.6%	2.1%	9.1%	0.0%	25.7%	1.8%	1.4%	24.1%	7.4%	0.0%	0.0%	0.0%
180 to 359	3.3%	0.5%	0.0%	0.0%	22.9%	0.0%	1.4%	6.9%	0.0%	0.0%	0.0%	0.0%
360+	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Res Rehab pts with 100+ day Res Rehab stay, %	9.9%	1.6%	6.1%	0.0%	34.3%	1.8%	2.9%	24.1%	3.7%	0.0%	0.0%	0.0%
Cumul. DOS, pts. with a 100+ day C.C. stay, mean	221.19	174.33	157.50	0.00	192.00	116.00	254.00	139.14	108.00	0.00	0.00	0.00
SD	96.74	86.84	19.09	0.00	48.77	0.00	128.69	45.19	0.00	0.00	0.00	0.00
Res Rehab pts. with 150+ day Res Rehab stay, %	6.2%	0.5%	3.0%	0.0%	25.7%	0.0%	2.9%	6.9%	0.0%	0.0%	0.0%	0.0%
Cumul. DOS, pts. with a 150+ day C.C. stay, mean	273.44	274.00	171.00	0.00	197.33	0.00	254.00	203.00	0.00	0.00	0.00	0.00
SD	83.38	0.00	0.00	0.00	33.35	0.00	128.69	21.21	0.00	0.00	0.00	0.00
Other VISN cumu. DOS, mean	2.79	0.55	2.33	0.00	80.29	1.91	0.00	0.00	0.63	0.00	0.00	7.13
SD	18.11	5.96	7.76	0.00	75.92	10.15	0.00	0.00	3.27	0.00	0.00	9.93
Other station cumu. DOS, mean	4.65	3.76	2.33	0.00	80.97	2.11	0.54	1.48	4.96	4.39	2.07	7.38
SD	19.94	11.73	7.76	0.00	75.28	10.22	3.14	5.53	15.64	9.35	6.99	9.75

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Schizophrenia	98739	5109	2830	6107	6385	2983	4167	6705	9526	3636	4783	4924
<u>Domiciliary and Vocational</u>												
(reported for those with some dom/voc care)												
pts. with some dom/voc care, %	2.7%	1.0%	2.9%	4.3%	3.7%	5.6%	2.6%	1.9%	0.2%	1.9%	7.0%	0.1%
Number stays, mean	1.15	1.14	1.27	1.19	1.12	1.18	1.20	1.11	1.14	1.20	1.14	1.00
SD	0.41	0.41	0.50	0.46	0.36	0.44	0.42	0.36	0.36	0.50	0.37	0.00
Average LOS, mean	92.16	153.34	68.55	52.47	33.79	144.56	30.04	76.29	91.40	149.40	48.57	17.75
SD	108.50	140.56	47.88	48.41	37.83	134.32	25.86	84.08	87.79	130.61	73.48	10.05
Cumu. DOS, mean	100.35	167.71	82.70	62.02	38.08	159.57	35.50	80.73	101.05	161.89	52.60	17.75
SD	112.16	143.98	55.39	58.12	44.29	138.17	30.95	84.88	95.47	130.48	74.46	10.05
Cumu. Days of Stay, %												
1 to 7	8.8%	6.1%	6.2%	10.6%	10.2%	6.0%	12.1%	7.8%	4.8%	5.7%	11.1%	0.0%
8 to 14	6.2%	4.1%	1.2%	6.1%	10.6%	2.4%	6.5%	7.8%	4.8%	2.9%	11.4%	50.0%
15 to 44	31.4%	18.4%	23.5%	36.5%	58.3%	16.9%	59.8%	28.9%	19.0%	12.9%	47.1%	50.0%
45 to 89	19.2%	16.3%	32.1%	22.4%	11.5%	23.5%	15.9%	25.8%	33.3%	20.0%	17.7%	0.0%
90 to 179	15.3%	14.3%	28.4%	19.0%	6.8%	13.3%	4.7%	18.8%	23.8%	18.6%	8.1%	0.0%
180 to 359	9.3%	18.4%	8.6%	5.3%	2.6%	16.3%	0.9%	8.6%	14.3%	20.0%	0.3%	0.0%
360+	9.8%	22.4%	0.0%	0.0%	0.0%	21.7%	0.0%	2.3%	0.0%	20.0%	4.2%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Dom. pts. with 100+ day Dom. stay, %	30.0%	53.1%	29.6%	18.6%	7.2%	47.0%	3.7%	22.7%	28.6%	57.1%	10.5%	0.0%
Cumul. DOS, pts. with a 100+ day Dom. stay, mean	244.96	284.35	153.83	161.02	170.00	287.14	142.25	206.62	223.50	251.13	231.06	0.00
SD	100.69	95.47	34.12	48.10	46.52	94.51	41.77	88.93	92.19	102.54	112.90	0.00
Dom. pts. with 150+ day Dom. stay, %	21.3%	40.8%	11.1%	8.0%	2.6%	36.7%	0.9%	15.6%	19.0%	41.4%	6.3%	0.0%
Cumul. DOS, pts. with a 150+ day Dom. stay, mean	291.60	325.35	189.89	201.90	210.00	326.13	194.00	245.30	266.00	298.76	300.81	0.00
SD	80.33	59.46	16.34	42.55	24.44	60.24	0.00	80.85	83.13	76.71	92.94	0.00
Other VISN cumu. DOS, mean	3.73	0.84	5.41	2.56	1.93	2.19	2.05	2.07	2.86	4.26	0.47	17.75
SD	21.72	3.54	11.78	13.22	11.20	10.69	11.11	9.07	8.86	12.39	3.83	10.05
Other station cumu. DOS, mean	6.26	4.27	5.41	9.00	8.82	7.82	2.32	3.77	2.86	4.33	1.62	17.75
SD	24.17	19.18	11.78	19.09	16.33	25.14	11.33	12.70	8.86	12.38	6.99	10.05

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Schizophrenia	98739	3976	2094	1478	3893	7780	3754	2829	2165	3404	4396	5815
<u>Domiciliary and Vocational</u>												
(reported for those with some dom/voc care)												
Pts. with some dom/voc care, %	2.7%	3.7%	4.5%	6.2%	1.6%	1.1%	6.3%	1.2%	0.1%	6.0%	0.5%	3.8%
Number stays, mean	1.15	1.14	1.16	1.30	1.44	1.08	1.11	1.06	1.00	1.14	1.00	1.03
SD	0.41	0.48	0.42	0.71	0.64	0.27	0.35	0.24	0.00	0.37	0.00	0.16
Average LOS, mean	92.16	140.39	126.54	28.38	78.23	60.87	153.28	94.37	28.33	181.29	53.61	97.05
SD	108.50	139.21	130.77	28.18	67.75	69.81	138.46	103.88	24.70	135.18	66.68	83.62
Cumu. DOS, mean	100.35	148.30	134.14	33.64	121.10	65.37	160.68	97.46	28.33	195.03	53.61	98.47
SD	112.16	139.60	130.54	29.69	116.73	73.25	137.33	103.76	24.70	136.70	66.68	84.08
Cumu. Days of Stay, %												
1 to 7	8.8%	10.1%	5.3%	11.0%	11.3%	11.2%	7.6%	14.3%	33.3%	2.0%	26.1%	8.1%
8 to 14	6.2%	2.0%	2.1%	12.1%	6.5%	10.1%	3.4%	8.6%	0.0%	2.0%	8.7%	5.4%
15 to 44	31.4%	22.8%	25.5%	54.9%	19.4%	39.3%	16.0%	14.3%	33.3%	14.1%	21.7%	19.8%
45 to 89	19.2%	14.1%	24.5%	16.5%	11.3%	14.6%	18.5%	22.9%	33.3%	17.1%	21.7%	23.4%
90 to 179	15.3%	18.1%	11.7%	5.5%	27.4%	18.0%	14.3%	25.7%	0.0%	16.6%	17.4%	26.1%
180 to 359	9.3%	9.4%	11.7%	0.0%	11.3%	5.6%	16.8%	5.7%	0.0%	19.0%	4.3%	16.2%
360+	9.8%	23.5%	19.1%	0.0%	12.9%	1.1%	23.5%	8.6%	0.0%	29.3%	0.0%	0.9%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Dom. pts. with 100+ day Dom. stay, %	30.0%	44.3%	36.2%	4.4%	35.5%	22.5%	49.6%	31.4%	0.0%	62.0%	21.7%	38.3%
Cumul. DOS, pts. with a 100+ day Dom. stay, mean	244.96	281.89	283.32	133.00	243.27	179.25	278.60	220.18	0.00	283.95	152.20	186.40
SD	100.69	101.70	99.91	31.93	103.20	74.65	96.60	101.62	0.00	93.74	78.16	67.17
Dom. pts. with 150+ day Dom. stay, %	21.3%	35.6%	29.8%	1.1%	25.8%	11.2%	40.3%	22.9%	0.0%	52.7%	4.3%	24.3%
Cumul. DOS, pts. with a 150+ day Dom. stay, mean	291.60	321.11	316.32	174.00	287.44	230.70	311.46	256.25	0.00	310.03	289.00	220.41
SD	80.33	70.22	75.18	0.00	82.98	75.11	73.08	95.67	0.00	74.27	0.00	59.98
Other VISN cumu. DOS, mean	3.73	1.69	1.29	0.09	91.44	1.80	0.21	2.26	28.33	1.11	10.70	0.05
SD	21.72	11.82	6.82	0.84	95.30	6.34	2.69	8.85	24.70	7.70	24.99	0.55
Other station cumu. DOS, mean	6.26	5.93	2.48	0.09	91.47	2.20	1.08	2.57	28.33	3.41	11.39	1.05
SD	24.17	16.97	8.35	0.84	95.26	7.10	8.23	8.96	24.70	17.19	24.90	8.24

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Schizophrenia	98739	5109	2830	6107	6385	2983	4167	6705	9526	3636	4783	4924
<u>Nursing Home Care</u>												
(reported for those with some nursing home care)												
Pts. with some nursing home care, %	4.4%	5.0%	5.9%	5.5%	6.0%	3.3%	4.2%	2.4%	2.1%	3.5%	7.6%	4.9%
Number stays, mean	1.20	1.19	1.35	1.16	1.14	1.10	1.18	1.14	1.24	1.37	1.17	1.14
<i>SD</i>	0.53	0.49	0.71	0.43	0.40	0.30	0.41	0.39	0.53	0.65	0.44	0.34
Average LOS, mean	131.74	172.72	92.11	183.11	138.33	135.21	147.48	151.97	104.65	89.03	105.14	137.51
<i>SD</i>	130.33	145.80	114.80	141.99	133.86	141.65	137.20	135.39	112.70	103.72	117.84	133.18
Cumu. DOS, mean	145.06	186.95	111.36	198.65	147.48	139.78	159.31	162.88	118.83	119.38	115.17	144.98
<i>SD</i>	134.71	146.83	127.55	143.00	136.39	141.26	138.76	137.24	118.88	133.63	121.15	133.69
Cumu. Days of Stay, %												
1 to 7	6.0%	7.4%	8.9%	2.7%	7.4%	8.1%	1.7%	4.9%	6.6%	10.1%	9.4%	8.3%
8 to 14	8.5%	6.2%	11.3%	6.8%	8.9%	9.1%	9.0%	9.3%	14.7%	10.9%	5.8%	12.4%
15 to 44	21.7%	17.1%	31.0%	11.9%	19.2%	20.2%	25.4%	16.7%	16.8%	28.7%	24.6%	17.8%
45 to 89	14.3%	8.6%	13.7%	13.7%	13.2%	21.2%	11.9%	13.6%	17.3%	11.6%	20.7%	8.7%
90 to 179	14.4%	11.3%	10.7%	13.1%	15.3%	7.1%	13.0%	14.2%	18.8%	13.2%	15.5%	14.5%
180 to 359	16.4%	17.9%	12.5%	18.8%	17.9%	11.1%	16.4%	18.5%	15.7%	8.5%	11.6%	19.4%
360+	18.7%	31.5%	11.9%	33.0%	18.2%	23.2%	22.6%	22.8%	10.2%	17.1%	12.4%	19.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
NH pts. with 100+ day NH stay, %	45.5%	58.0%	32.1%	60.7%	48.7%	40.4%	49.7%	51.2%	38.6%	36.4%	35.4%	49.6%
Cumul. DOS, pts. with a 100+ day NH stay, mean	272.47	296.89	278.07	298.48	265.96	293.28	280.27	277.54	244.43	273.38	252.80	258.71
<i>SD</i>	94.52	87.32	90.18	87.06	99.74	93.13	93.17	93.31	94.84	102.01	102.22	96.98
NH pts. with 150+ day NH stay, %	37.5%	51.4%	28.0%	54.8%	37.1%	36.4%	41.2%	42.6%	28.9%	27.1%	25.1%	41.7%
Cumul. DOS, pts. with a 150+ day NH stay, mean	302.27	316.33	297.04	317.42	311.05	313.03	308.66	304.48	282.30	319.51	301.95	283.34
<i>SD</i>	74.79	70.67	80.14	68.32	65.69	75.14	73.90	75.80	77.42	71.91	76.03	84.51
Other VISN cumu. DOS, mean	6.50	0.02	0.00	0.40	0.00	0.00	0.24	0.48	0.48	1.78	0.00	0.26
<i>SD</i>	39.69	0.31	0.00	4.71	0.00	0.00	3.23	4.27	4.80	10.92	0.00	3.99
Other station cumu. DOS, mean	7.37	0.17	0.00	2.20	1.21	0.00	1.42	1.33	1.48	1.78	1.43	0.92
<i>SD</i>	40.18	2.06	0.00	13.78	10.54	0.00	11.74	7.50	11.13	10.92	8.36	7.91

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Schizophrenia	98739	3976	2094	1478	3893	7780	3754	2829	2165	3404	4396	5815
<u>Nursing Home Care</u>												
(reported for those with some nursing home care)												
Pts. with some nursing home care, %	2.7%	3.7%	4.5%	6.2%	1.6%	1.1%	6.3%	1.2%	0.1%	6.0%	0.5%	3.8%
Number stays, mean	1.20	1.15	1.17	1.14	1.34	1.24	1.16	1.28	1.09	1.16	1.47	1.22
SD	0.53	0.39	0.43	0.53	0.62	0.57	0.39	0.52	0.29	0.48	1.16	0.53
Average LOS, mean	131.74	167.73	131.91	179.72	90.65	123.23	111.20	64.78	175.37	93.06	101.94	118.26
SD	130.33	133.04	147.77	143.34	84.69	128.74	108.47	91.69	129.42	111.55	114.40	113.34
Cumu. DOS, mean	145.06	180.95	137.87	187.23	122.06	135.12	123.60	74.82	183.76	99.74	121.54	134.87
SD	134.71	135.12	147.13	141.19	121.98	129.68	114.64	96.34	131.35	114.94	124.09	121.64
Cumu. Days of Stay, %												
1 to 7	6.0%	2.2%	6.0%	4.5%	4.5%	3.5%	4.9%	3.4%	2.2%	8.3%	11.2%	3.7%
8 to 14	8.5%	2.5%	13.7%	5.3%	10.2%	10.5%	5.7%	16.1%	4.5%	10.8%	7.6%	5.9%
15 to 44	21.7%	22.5%	28.6%	13.5%	27.8%	23.4%	22.0%	36.8%	14.6%	29.2%	22.8%	23.8%
45 to 89	14.3%	9.5%	11.3%	12.8%	13.6%	12.3%	22.0%	20.7%	13.5%	19.2%	16.2%	17.8%
90 to 179	14.4%	14.9%	7.7%	18.0%	14.2%	21.1%	19.5%	11.5%	20.2%	12.5%	13.7%	15.6%
180 to 359	16.4%	24.0%	8.3%	16.5%	19.3%	12.3%	17.9%	5.7%	20.2%	9.2%	20.8%	20.4%
360+	18.7%	24.4%	24.4%	29.3%	10.2%	17.0%	8.1%	5.7%	24.7%	10.8%	7.6%	12.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
NH pts. with 100+ day NH stay, %	45.5%	60.4%	38.1%	57.9%	38.1%	40.9%	40.7%	16.1%	64.0%	28.3%	38.1%	43.1%
Cumul. DOS, pts. with a 100+ day NH stay, mean	272.47	273.33	310.88	289.51	257.18	265.80	236.66	268.29	263.30	256.32	258.69	253.62
SD	94.52	90.76	83.80	92.70	87.93	99.41	94.73	93.92	93.97	99.64	90.03	89.33
NH pts. with 150+ day NH stay, %	37.5%	50.5%	35.7%	48.1%	30.7%	32.7%	28.5%	13.8%	55.1%	23.3%	28.9%	36.1%
Cumul. DOS, pts. with a 150+ day NH stay, mean	302.27	301.09	323.35	320.58	284.96	299.45	284.37	286.00	284.84	285.96	291.72	275.41
SD	74.79	70.65	70.33	67.18	72.49	80.27	70.51	89.31	83.08	83.29	70.44	80.14
Other VISN cumu. DOS, mean	6.50	0.00	0.17	0.34	81.51	0.26	2.44	0.84	140.89	0.11	0.00	0.11
SD	39.69	0.00	2.16	3.90	108.32	3.07	19.24	7.83	146.93	1.19	0.00	1.83
Other station cumu. DOS, mean	7.37	2.17	0.70	0.34	81.51	1.18	4.09	1.49	138.04	2.09	1.26	0.48
SD	40.18	13.35	4.48	3.90	108.32	7.97	22.51	8.53	146.16	12.04	9.93	3.74

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Schizophrenia	98739	5109	2830	6107	6385	2983	4167	6705	9526	3636	4783	4924
<b><u>Outpatient utilization</u></b>												
(reported for those with some outpatient care)												
Pts. with some outpatient care, %	98.3%	97.1%	98.2%	97.0%	97.9%	97.8%	97.8%	98.7%	99.6%	98.0%	98.5%	96.7%
annual visit days, mean	28.52	42.70	40.54	33.30	23.68	37.84	20.62	26.64	21.67	20.92	32.76	25.22
SD	40.34	57.81	51.23	46.38	33.65	50.28	30.03	36.87	25.57	32.99	39.93	38.03
Outpatient visit days, %												
1-12	42.3%	33.9%	32.5%	37.2%	46.0%	35.4%	50.4%	43.0%	42.9%	50.8%	32.7%	50.9%
13-24	25.6%	22.4%	23.9%	24.7%	27.3%	22.8%	26.4%	26.2%	30.8%	27.7%	26.6%	22.7%
25-36	11.9%	12.5%	12.6%	13.1%	11.7%	12.9%	10.8%	11.7%	12.5%	10.4%	14.5%	9.1%
37-48	5.9%	6.9%	6.8%	6.7%	4.6%	7.0%	4.8%	6.3%	5.3%	3.9%	7.7%	4.7%
49+	14.4%	24.3%	24.3%	18.2%	10.5%	22.0%	7.7%	12.8%	8.5%	7.3%	18.5%	12.7%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% of Outpatients who had some Primary Care (PC)	69.4%	70.2%	78.7%	61.6%	64.8%	68.1%	64.6%	67.4%	75.1%	65.7%	69.7%	71.4%
Mean PC visit days, among those with some PC	3.58	3.47	3.57	2.89	3.54	3.92	3.62	3.73	4.13	2.96	3.83	3.18
SD	3.23	3.28	4.19	2.20	2.96	3.77	3.48	3.38	3.13	2.62	3.46	2.61
Average number clinic stops per visit day, mean	1.46	1.38	1.40	1.39	1.43	1.51	1.50	1.52	1.44	1.51	1.42	1.46
SD	0.49	0.39	0.40	0.44	0.41	0.43	0.48	0.48	0.40	0.49	0.38	0.47
annual clinic stops (psych & non-psych), mean	43.50	62.90	61.36	48.80	34.29	59.13	31.39	43.35	32.33	32.04	48.90	39.29
SD	70.66	97.86	91.59	77.53	50.87	86.34	50.51	73.10	44.46	55.84	64.33	68.39
annual non-psych. clinic stops, mean	19.82	23.68	22.22	21.13	16.77	27.19	16.85	19.76	19.47	17.25	16.89	18.80
SD	30.46	38.17	31.18	30.73	25.41	40.79	25.37	27.95	21.97	28.46	19.38	33.50
annual psych. clinic stops (groupings below), mean	23.67	39.22	39.13	27.67	17.51	31.93	14.54	23.59	12.86	14.79	32.01	20.49
SD	54.01	79.48	76.93	60.38	37.11	61.78	35.98	53.58	31.89	43.17	55.38	49.96
1. general psych. clinic stops, mean	9.49	13.56	8.56	8.09	8.70	9.73	6.97	10.56	6.76	7.00	12.85	6.63
SD	17.78	24.98	12.12	10.07	11.72	16.55	9.93	15.30	11.51	10.18	18.30	12.06
2. psych. case management clinic stops, mean	2.25	6.49	5.77	2.33	1.83	2.15	1.08	2.44	0.69	1.38	3.66	2.77
SD	16.06	35.70	22.99	10.80	10.39	13.24	5.55	16.87	7.44	10.47	17.09	14.98
3. psych. day treatment clinic stops, mean	5.65	8.94	18.25	5.82	2.29	7.02	3.00	4.51	2.45	4.37	4.93	7.79
SD	31.13	35.99	58.71	32.72	17.25	26.06	25.13	32.75	17.78	30.19	26.14	39.66

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Schizophrenia	98739	3976	2094	1478	3893	7780	3754	2829	2165	3404	4396	5815
<b><u>Outpatient utilization</u></b>												
(reported for those with some outpatient care)												
Pts. with some outpatient care, %	98.3%	97.8%	97.6%	96.3%	98.8%	99.4%	98.3%	99.6%	98.5%	99.1%	99.1%	99.1%
annual visit days, mean	28.52	32.77	27.71	32.82	27.83	21.43	30.59	22.90	28.79	33.02	30.30	32.83
SD	40.34	46.28	37.11	48.14	45.62	30.66	44.53	24.72	33.32	39.27	40.84	46.52
Outpatient visit days, %												
1-12	42.3%	41.8%	45.6%	38.9%	47.1%	50.2%	41.6%	40.9%	39.2%	38.2%	39.0%	39.8%
13-24	25.6%	22.7%	20.5%	25.4%	26.5%	26.5%	26.3%	28.1%	23.4%	21.3%	23.9%	24.6%
25-36	11.9%	11.2%	11.4%	12.9%	10.0%	10.1%	11.8%	13.7%	12.1%	11.6%	13.8%	12.1%
37-48	5.9%	5.7%	6.2%	5.8%	4.5%	4.5%	5.0%	7.1%	8.3%	7.6%	6.7%	6.5%
49+	14.4%	18.6%	16.2%	17.0%	11.9%	8.7%	15.4%	10.2%	16.9%	21.4%	16.6%	17.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Pts. with some OP primary care, %	69.4%	68.6%	51.6%	81.4%	71.8%	69.9%	77.6%	69.9%	74.7%	68.4%	74.5%	65.2%
OP visit days with primary care clinic stops, mean	3.58	3.84	3.02	3.40	3.06	2.97	4.08	3.65	3.49	3.51	4.10	4.02
SD	3.23	3.71	2.81	2.97	2.61	2.25	3.64	3.13	3.16	2.90	4.48	3.49
Average number clinic stops per visit day, mean	1.46	1.55	1.75	1.62	1.44	1.48	1.59	1.49	1.39	1.40	1.37	1.44
SD	0.49	0.54	0.69	0.54	0.46	0.45	0.64	0.48	0.39	0.39	0.49	0.48
annual clinic stops (psych & non-psych), mean	43.50	55.07	52.60	59.72	42.78	32.21	47.45	36.50	40.94	47.37	41.52	49.72
SD	70.66	89.71	82.91	115.91	80.61	51.45	71.49	56.49	51.58	60.12	59.90	86.20
annual non-psych. clinic stops, mean	19.82	20.40	20.71	24.77	19.87	16.71	28.86	17.62	16.87	18.61	17.77	22.07
SD	30.46	27.12	37.03	50.70	37.33	23.08	47.35	19.78	19.26	25.95	24.84	38.38
annual psych. clinic stops (groupings below), mean	23.67	34.67	31.89	34.95	22.90	15.51	18.60	18.88	24.07	28.76	23.75	27.65
SD	54.01	74.90	64.21	86.43	58.43	36.62	41.58	48.73	42.39	49.93	49.91	59.88
1. general psych. clinic stops, mean	9.49	11.72	15.75	12.50	12.67	6.46	8.33	11.95	10.03	9.65	11.94	9.68
SD	17.78	22.40	30.91	22.55	35.93	9.85	19.39	21.18	20.61	16.00	20.51	18.28
2. psych. case management clinic stops, mean	2.25	6.43	1.65	1.42	0.05	1.07	1.81	0.45	5.60	4.13	0.45	0.22
SD	16.06	39.14	9.62	10.21	0.94	7.91	11.89	3.08	19.25	20.17	5.71	2.91
3. psych. day treatment clinic stops, mean	5.65	6.66	6.59	10.82	4.34	4.16	3.51	3.18	3.77	7.34	4.89	11.06
SD	31.13	32.73	30.62	43.66	28.48	26.48	20.58	36.95	14.70	27.77	22.10	46.35

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Schizophrenia	98739	5109	2830	6107	6385	2983	4167	6705	9526	3636	4783	4924
4. substance abuse clinic stops, mean	3.09	3.19	2.69	4.63	3.10	7.09	1.48	2.11	2.10	1.39	6.67	1.84
<i>SD</i>	<i>18.95</i>	<i>14.90</i>	<i>13.81</i>	<i>18.88</i>	<i>14.04</i>	<i>12.21</i>	<i>32.05</i>	<i>23.87</i>	<i>27.89</i>	<i>6.24</i>	<i>8.08</i>	<i>10.59</i>
5. psych. vocational clinic stops, mean	2.26	5.62	2.82	5.24	0.92	4.35	1.47	2.94	0.44	0.37	2.88	0.98
<i>SD</i>	<i>18.84</i>	<i>29.15</i>	<i>20.77</i>	<i>28.91</i>	<i>8.94</i>	<i>26.81</i>	<i>15.11</i>	<i>20.80</i>	<i>7.51</i>	<i>6.25</i>	<i>19.72</i>	<i>11.79</i>
6. PTSD clinic stops, mean	0.47	0.55	0.47	0.93	0.30	0.89	0.24	0.83	0.11	0.09	0.37	0.24
<i>SD</i>	<i>4.73</i>	<i>4.61</i>	<i>4.58</i>	<i>6.64</i>	<i>2.49</i>	<i>6.47</i>	<i>2.70</i>	<i>7.10</i>	<i>1.43</i>	<i>1.39</i>	<i>5.47</i>	<i>2.60</i>
7. psych. homeless clinic stops, mean	0.45	0.87	0.42	0.61	0.37	0.71	0.29	0.19	0.21	0.19	0.64	0.25
<i>SD</i>	<i>3.34</i>	<i>6.53</i>	<i>3.15</i>	<i>4.68</i>	<i>2.05</i>	<i>3.35</i>	<i>2.53</i>	<i>1.39</i>	<i>2.11</i>	<i>1.39</i>	<i>3.75</i>	<i>1.60</i>
Other VISN OP visit days, mean	0.33	0.22	0.45	0.37	0.27	0.40	0.29	0.30	0.21	0.38	0.36	0.23
<i>SD</i>	<i>2.29</i>	<i>1.82</i>	<i>2.68</i>	<i>3.01</i>	<i>2.08</i>	<i>2.39</i>	<i>2.01</i>	<i>2.05</i>	<i>1.70</i>	<i>2.39</i>	<i>2.72</i>	<i>1.50</i>
Other station OP visit days, mean	1.40	1.15	0.45	1.21	1.09	1.03	0.79	1.02	0.41	0.52	1.18	0.93
<i>SD</i>	<i>8.12</i>	<i>4.60</i>	<i>2.68</i>	<i>5.20</i>	<i>3.73</i>	<i>5.01</i>	<i>3.02</i>	<i>3.93</i>	<i>2.24</i>	<i>2.88</i>	<i>4.91</i>	<i>3.23</i>

**Table 3C: FY01 Patients w/ Schizophrenia, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Schizophrenia	98739	3976	2094	1478	3893	7780	3754	2829	2165	3404	4396	5815
4. substance abuse clinic stops, mean	3.09	5.45	2.97	2.93	2.30	1.99	2.46	1.24	2.33	4.37	4.55	2.77
<i>SD</i>	<i>18.95</i>	<i>4.67</i>	<i>30.74</i>	<i>10.79</i>	<i>58.94</i>	<i>21.49</i>	<i>15.57</i>	<i>18.25</i>	<i>14.46</i>	<i>10.51</i>	<i>6.51</i>	<i>9.88</i>
5. psych. vocational clinic stops, mean	2.26	3.38	3.73	6.66	3.08	0.83	1.89	1.31	1.51	1.71	0.80	2.37
<i>SD</i>	<i>18.84</i>	<i>23.86</i>	<i>24.29</i>	<i>49.79</i>	<i>22.49</i>	<i>10.42</i>	<i>16.60</i>	<i>11.21</i>	<i>14.20</i>	<i>12.72</i>	<i>9.10</i>	<i>18.01</i>
6. PTSD clinic stops, mean	0.47	0.40	0.79	0.50	0.39	0.44	0.27	0.43	0.40	0.70	0.53	0.71
<i>SD</i>	<i>4.73</i>	<i>4.11</i>	<i>7.93</i>	<i>7.82</i>	<i>3.97</i>	<i>4.80</i>	<i>2.65</i>	<i>3.23</i>	<i>3.68</i>	<i>4.90</i>	<i>5.11</i>	<i>6.14</i>
7. psych. homeless clinic stops, mean	0.45	0.62	0.40	0.11	0.08	0.54	0.33	0.31	0.40	0.85	0.58	0.83
<i>SD</i>	<i>3.34</i>	<i>4.49</i>	<i>4.35</i>	<i>1.27</i>	<i>0.74</i>	<i>3.88</i>	<i>2.14</i>	<i>2.08</i>	<i>3.29</i>	<i>4.28</i>	<i>3.55</i>	<i>3.70</i>
Other VISN OP visit days, mean	0.33	0.39	0.37	0.35	0.30	0.30	0.43	0.45	0.36	0.45	0.34	0.36
<i>SD</i>	<i>2.29</i>	<i>3.20</i>	<i>2.34</i>	<i>2.12</i>	<i>2.46</i>	<i>1.84</i>	<i>2.42</i>	<i>2.56</i>	<i>2.17</i>	<i>2.86</i>	<i>2.20</i>	<i>2.30</i>
Other station OP visit days, mean	1.40	1.70	1.01	0.35	11.74	0.60	0.74	0.83	4.54	0.99	1.01	0.81
<i>SD</i>	<i>8.12</i>	<i>6.04</i>	<i>3.84</i>	<i>2.12</i>	<i>32.81</i>	<i>2.60</i>	<i>3.32</i>	<i>3.34</i>	<i>14.93</i>	<i>4.18</i>	<i>3.80</i>	<i>3.45</i>

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Bipolar Disorder	65556	4263	2240	2438	3589	1551	2558	3093	5575	2814	2754	2644
<b><u>Hospital Based Utilization</u></b>												
Patients with some Hosp. Based Utilization, %	28.6%	28.5%	26.2%	25.1%	24.2%	37.1%	34.6%	26.7%	25.0%	35.3%	28.3%	27.2%
<b><u>Hospital based utilization: Overall</u></b> (psych & non-psych- for those with some hosp.util.)												
Inpatient stays, mean	1.88	2.02	1.78	1.88	1.70	2.18	2.16	1.68	1.88	1.84	1.84	1.79
<i>SD</i>	1.55	1.71	1.45	1.33	1.23	1.79	2.02	1.28	1.50	1.51	1.45	1.36
Average LOS, mean	11.60	12.47	10.33	13.70	11.47	12.86	11.87	11.97	7.77	9.46	12.31	15.97
<i>SD</i>	23.12	25.46	14.43	15.79	20.06	29.18	21.24	20.73	9.90	15.72	19.66	39.26
Cumu. DOS, mean	20.40	23.45	17.98	25.30	18.71	23.87	23.72	19.39	14.43	16.87	21.73	24.30
<i>SD</i>	33.57	40.74	25.98	30.18	29.15	40.57	33.69	29.95	20.79	26.64	32.65	46.33
Cumu. DOS, %												
1 to 7	40.7%	39.9%	41.6%	29.2%	41.0%	36.8%	32.8%	41.7%	49.0%	45.2%	35.8%	36.9%
8 to 14	21.4%	21.6%	20.1%	19.2%	21.6%	20.0%	22.6%	22.1%	22.0%	23.4%	23.2%	21.7%
15 to 44	27.5%	26.3%	29.6%	35.7%	29.0%	30.0%	31.3%	26.4%	22.6%	23.2%	30.8%	29.1%
45 to 89	6.9%	7.0%	6.3%	11.4%	5.6%	9.0%	8.7%	6.4%	4.8%	6.4%	5.8%	7.9%
90 to 179	2.6%	3.9%	2.0%	3.9%	2.1%	2.4%	3.6%	2.9%	1.6%	1.4%	3.2%	2.1%
180 to 359	0.7%	1.2%	0.3%	0.5%	0.7%	1.4%	0.8%	0.4%	0.1%	0.4%	1.2%	1.8%
360+	0.2%	0.2%	0.0%	0.0%	0.0%	0.3%	0.1%	0.1%	0.0%	0.1%	0.0%	0.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. patients with a 100+ day hosp.stay, %	1.8%	3.5%	0.9%	1.5%	1.4%	2.4%	1.7%	1.6%	0.6%	1.1%	2.4%	3.2%
Cumul. DOS, patients with a 100+ day hosp. stay, mean	196.53	188.57	181.20	150.00	193.17	226.00	194.67	176.38	156.00	186.82	167.05	235.96
<i>SD</i>	80.33	77.86	66.20	31.28	64.55	87.80	68.10	73.95	67.22	79.06	48.40	95.90
Hosp. patients who had a 150+ day hosp. stay, %	0.9%	1.5%	0.3%	0.3%	0.7%	1.7%	1.1%	0.7%	0.1%	0.6%	1.0%	2.2%
Cumul. DOS, patients with a 150+ day hosp. stay, mean	249.46	237.33	249.00	171.50	233.83	265.10	222.50	226.33	319.00	235.17	210.75	284.50
<i>SD</i>	73.39	73.99	22.63	30.41	62.55	71.25	63.90	83.89	0.00	77.44	39.08	71.56
Cumu. DOS at Other VISNs	1.40	0.35	1.24	0.90	0.73	0.69	0.72	1.09	0.46	1.45	0.78	0.41
<i>SD</i>	8.26	3.18	4.85	5.21	4.35	3.84	4.11	5.36	3.01	12.58	4.31	3.76
Cumu. DOS at Other Stations	2.80	2.94	1.24	4.02	2.52	2.70	2.18	2.59	1.02	1.91	2.63	1.93
<i>SD</i>	10.02	7.76	4.85	10.36	7.40	8.01	6.50	7.65	4.08	13.04	7.64	6.71

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Bipolar Disorder	65556	3112	1882	1105	3018	3989	2836	3013	2561	3593	2739	4189
<b><u>Hospital Based Utilization</u></b>												
Patients with some Hosp. Based Utilization, %	28.6%	33.6%	26.9%	27.5%	34.4%	29.8%	31.5%	28.3%	28.2%	30.9%	23.7%	22.8%
<b><u>Hospital based utilization: Overall</u></b> (psych & non-psych- for those with some hosp.util.)												
Inpatient stays, mean	1.88	2.00	1.93	1.81	2.05	1.81	1.97	1.82	1.84	1.80	1.87	1.75
<i>SD</i>	1.55	1.74	1.61	1.44	1.72	1.43	1.74	1.39	1.35	1.35	1.77	1.42
Average LOS, mean	11.60	20.60	7.05	8.89	12.26	12.45	14.98	6.91	10.02	9.78	9.59	10.01
<i>SD</i>	23.12	47.58	13.04	10.18	20.62	20.24	32.78	6.79	12.69	21.73	11.20	16.30
Cumu. DOS, mean	20.40	32.96	13.19	16.33	23.98	21.44	25.45	12.64	18.50	16.25	17.86	16.97
<i>SD</i>	33.57	58.62	21.87	22.30	36.22	30.52	41.45	15.51	25.84	27.85	25.39	25.85
Cumu. DOS, %												
1 to 7	40.7%	32.3%	53.8%	44.7%	38.2%	41.0%	32.5%	50.6%	41.6%	43.8%	43.1%	43.5%
8 to 14	21.4%	19.9%	20.7%	21.1%	20.2%	19.0%	22.1%	22.2%	19.8%	24.8%	19.4%	21.6%
15 to 44	27.5%	30.2%	20.3%	26.3%	27.9%	27.0%	31.4%	23.0%	29.0%	25.2%	28.8%	27.7%
45 to 89	6.9%	9.3%	3.7%	5.9%	8.4%	9.0%	9.0%	3.9%	7.5%	4.1%	6.6%	4.9%
90 to 179	2.6%	4.7%	1.0%	1.6%	4.2%	3.4%	3.4%	0.2%	1.8%	1.4%	1.7%	2.0%
180 to 359	0.7%	2.2%	0.4%	0.3%	1.1%	0.6%	1.1%	0.1%	0.3%	0.6%	0.5%	0.3%
360+	0.2%	1.3%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. patients with a 100+ day hosp. stay, %	1.8%	5.8%	0.8%	0.3%	2.4%	1.7%	3.0%	0.0%	0.4%	1.6%	0.8%	1.0%
Cumul. DOS, patients with a 100+ day hosp. stay, mean	196.53	227.49	184.50	180.00	182.20	171.50	208.93	0.00	239.00	183.11	176.20	171.40
<i>SD</i>	80.33	98.05	79.22	0.00	63.60	50.86	87.09	0.00	124.06	73.54	49.38	77.18
Hosp. patients who had a 150+ day hosp. stay, %	0.9%	3.3%	0.4%	0.3%	1.2%	0.8%	1.7%	0.0%	0.3%	0.9%	0.3%	0.3%
Cumul. DOS, patients with a 150+ day hosp. stay, mean	249.46	287.94	243.00	180.00	207.50	212.00	259.47	0.00	306.50	225.60	223.00	279.33
<i>SD</i>	73.39	81.60	69.30	0.00	45.01	41.33	81.96	0.00	58.69	74.78	35.36	31.90
Cumu. DOS at Other VISNs	1.40	1.08	1.24	0.77	11.16	0.84	1.22	0.63	1.11	0.89	0.67	0.48
<i>SD</i>	8.26	6.24	6.05	3.50	25.52	4.78	5.49	2.96	4.67	5.84	3.92	2.64
Cumu. DOS at Other Stations	2.80	4.37	1.93	0.77	11.36	1.96	2.76	1.89	2.21	2.42	2.21	1.42
<i>SD</i>	10.02	12.50	6.64	3.50	25.65	7.10	8.90	5.84	7.27	7.69	7.39	4.97

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Bipolar Disorder	65556	4263	2240	2438	3589	1551	2558	3093	5575	2814	2754	2644
<u>Hospital based utilization: Non-Psych</u>												
( non-psych- for those with some hosp.based util.)												
Pts. with non-psych hospital stays, %	12.7%	10.9%	11.2%	11.2%	10.9%	14.6%	12.5%	11.8%	12.7%	14.0%	13.9%	10.4%
Inpatient stays, mean	0.71	0.59	0.64	0.70	0.70	0.70	0.58	0.64	0.84	0.66	0.75	0.63
SD	1.11	0.98	0.97	1.05	1.07	1.21	1.04	0.96	1.22	1.13	1.03	1.14
Average LOS, mean	8.97	13.49	6.60	7.36	6.36	12.73	10.28	10.61	8.02	9.56	14.17	15.10
SD	21.42	28.83	7.99	8.79	11.05	25.84	22.62	22.57	13.09	27.47	32.80	46.21
Cumu. Days of Stay, mean	6.01	6.93	4.37	5.73	4.61	7.76	5.33	6.45	6.75	5.71	9.42	7.72
SD	19.12	22.46	11.69	14.22	13.09	23.58	17.08	19.18	17.36	20.42	28.62	32.18
Cumu. Days of Stay, %												
0	55.5%	61.9%	57.2%	55.5%	55.1%	60.8%	63.7%	55.9%	49.2%	60.4%	50.8%	61.7%
1 to 7	27.2%	22.2%	26.2%	25.1%	30.1%	20.0%	21.4%	28.4%	29.9%	23.7%	28.6%	22.6%
8 to 14	7.2%	5.3%	7.5%	8.5%	7.2%	6.1%	4.4%	5.7%	8.0%	6.8%	8.2%	5.3%
15 to 44	7.4%	7.0%	7.8%	8.5%	5.9%	8.3%	7.8%	5.8%	9.3%	6.7%	7.3%	6.8%
45 to 89	1.7%	1.3%	0.9%	1.8%	1.1%	3.1%	1.7%	3.2%	2.7%	1.4%	2.1%	1.8%
90 to 179	0.8%	2.1%	0.3%	0.7%	0.6%	1.0%	0.8%	0.8%	0.8%	0.8%	2.1%	1.0%
180 to 359	0.2%	0.2%	0.0%	0.0%	0.0%	0.7%	0.2%	0.2%	0.1%	0.2%	0.9%	0.8%
360+	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day non-psych hosp.stay, %	0.7%	1.6%	0.3%	0.3%	0.2%	1.0%	0.8%	0.7%	0.4%	0.7%	2.2%	1.7%
Cumu. DOS, pts with a 100+ day hosp. stay, mean	169.60	143.42	141.50	127.00	145.00	181.50	148.57	156.33	158.50	186.00	159.76	217.83
SD	67.63	33.81	38.89	4.24	24.04	44.63	41.11	33.34	79.29	92.05	52.27	106.31
Hosp. Pts. with a 150+ day non-psych hosp.stay, %	0.3%	0.4%	0.0%	0.0%	0.1%	0.7%	0.5%	0.4%	0.1%	0.4%	1.0%	0.8%
Cumu. DOS, pts with a 150+ day hosp. stay, mean	219.76	180.40	0.00	0.00	162.00	205.25	179.50	182.00	319.00	238.25	204.25	314.83
SD	66.92	30.81	0.00	0.00	0.00	32.36	19.26	26.51	0.00	90.33	42.18	45.88
Other VISN cumu. DOS, mean	0.33	0.10	0.22	0.05	0.16	0.27	0.13	0.21	0.10	0.75	0.17	0.02
SD	3.87	2.28	1.81	0.58	2.20	2.53	1.43	2.33	1.49	11.96	1.72	0.30
Other station cumu. DOS, mean	0.70	0.72	0.22	0.57	0.54	0.83	0.40	0.73	0.35	0.84	0.80	0.49
SD	4.76	4.26	1.81	2.84	3.07	5.79	2.29	4.04	2.59	12.01	3.77	2.93

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Bipolar Disorder	65556	3112	1882	1105	3018	3989	2836	3013	2561	3593	2739	4189
<u>Hospital based utilization: Non-Psych</u> ( non-psych- for those w/ some hosp.based util.)												
Pts. with non-psych hospital stays, %	12.7%	15.0%	12.8%	13.8%	15.0%	12.7%	12.2%	15.6%	14.1%	14.6%	11.2%	10.8%
Inpatient stays, mean	0.71	0.75	0.74	0.79	0.72	0.69	0.61	0.87	0.79	0.76	0.74	0.70
SD	1.11	1.15	1.05	1.15	1.11	1.28	1.04	1.12	1.10	1.16	1.12	1.03
Average LOS, mean	8.97	8.95	4.64	6.19	8.75	10.36	9.93	4.84	8.05	7.56	7.47	6.53
SD	21.42	18.90	4.26	8.38	19.80	23.08	26.71	5.12	22.06	16.80	12.21	16.76
Cumu. Days of Stay, mean	6.01	6.61	3.43	4.71	5.91	6.62	5.49	4.29	6.02	5.50	6.07	4.70
SD	19.12	22.66	6.62	10.57	16.85	20.65	19.65	7.72	18.25	16.08	18.62	14.98
Cumu. Days of Stay, %												
0	55.5%	55.2%	52.5%	49.7%	56.3%	57.4%	61.2%	44.7%	49.8%	52.9%	52.8%	52.7%
1 to 7	27.2%	27.2%	32.1%	32.2%	25.9%	24.7%	22.0%	37.7%	29.8%	31.0%	30.0%	31.0%
8 to 14	7.2%	6.2%	8.9%	9.5%	6.9%	7.7%	7.3%	9.7%	8.6%	7.2%	7.2%	8.3%
15 to 44	7.4%	8.8%	6.3%	6.9%	8.4%	6.6%	7.4%	7.3%	9.7%	6.4%	7.4%	6.4%
45 to 89	1.7%	1.3%	0.2%	1.6%	1.6%	2.4%	1.3%	0.6%	1.5%	1.5%	1.4%	1.0%
90 to 179	0.8%	1.1%	0.0%	0.0%	0.7%	0.8%	0.4%	0.0%	0.3%	1.0%	0.9%	0.4%
180 to 359	0.2%	0.0%	0.0%	0.0%	0.2%	0.3%	0.3%	0.0%	0.3%	0.0%	0.3%	0.1%
360+	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. w/ a 100+ day non-psych hosp.stay,%	0.7%	0.7%	0.0%	0.0%	0.6%	0.9%	0.6%	0.0%	0.3%	0.9%	0.5%	0.2%
Cumu. DOS, pts w/ a 100+ day hosp. stay, mean	169.60	207.43	0.00	0.00	163.17	163.82	210.00	0.00	276.50	137.60	183.67	211.00
SD	67.63	110.74	0.00	0.00	24.05	59.14	92.79	0.00	92.63	23.47	72.57	134.35
Hosp. Pts. w/ a 150+ day non-psych hosp.stay, %	0.3%	0.5%	0.0%	0.0%	0.5%	0.5%	0.3%	0.0%	0.3%	0.3%	0.3%	0.1%
Cumu. DOS, pts w/ a 150+ day hosp. stay, mean	219.76	245.60	0.00	0.00	170.40	204.17	260.67	0.00	276.50	169.67	223.00	306.00
SD	66.92	109.32	0.00	0.00	18.19	50.95	87.09	0.00	92.63	9.24	35.36	0.00
Other VISN cumu. DOS, mean	0.33	0.16	0.23	0.29	2.41	0.22	0.25	0.20	0.31	0.20	0.19	0.19
SD	3.87	2.08	1.43	2.09	8.29	2.64	2.11	1.34	2.13	1.83	2.55	1.57
Other station cumu. DOS, mean	0.70	0.80	0.48	0.29	2.44	0.62	0.47	0.60	0.66	0.69	0.75	0.52
SD	4.76	5.43	1.89	2.09	8.27	3.93	3.01	2.80	2.94	2.99	4.66	3.04

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Bipolar Disorder	65556	4263	2240	2438	3589	1551	2558	3093	5575	2814	2754	2644
<u>Hospital based utilization: Psychiatric</u> ( psych- for those with some hosp.based util.)												
Pts. with psych hospital stays, %	19.7%	21.4%	18.0%	17.4%	16.1%	28.4%	27.4%	17.9%	15.6%	25.7%	19.0%	19.5%
Inpatient stays, mean	1.18	1.43	1.14	1.18	0.99	1.48	1.57	1.05	1.04	1.18	1.09	1.16
SD	1.39	1.66	1.40	1.24	1.06	1.60	1.88	1.21	1.32	1.24	1.25	1.16
Average LOS, mean	13.28	13.17	12.48	17.37	14.87	12.94	12.37	12.86	7.60	9.59	11.56	16.05
SD	24.75	27.20	17.53	19.55	25.53	30.62	19.98	20.75	7.34	12.15	9.76	35.92
Cumu. Days of Stay, mean	14.39	16.52	13.61	19.57	14.09	16.11	18.39	12.93	7.69	11.17	12.31	16.57
SD	28.98	34.91	24.81	29.43	27.28	33.54	30.65	25.14	13.43	19.19	17.93	36.03
Cumu. Days of Stay, %												
0	31.1%	24.9%	31.2%	30.8%	33.6%	23.6%	20.6%	32.8%	37.8%	27.0%	32.7%	28.3%
1 to 7	24.4%	27.5%	24.9%	14.5%	20.8%	28.5%	23.3%	23.2%	31.1%	32.0%	18.7%	22.8%
8 to 14	16.7%	19.0%	15.5%	14.5%	16.1%	16.7%	21.3%	18.5%	15.4%	19.5%	19.4%	18.4%
15 to 44	20.9%	20.8%	21.3%	28.2%	23.3%	23.8%	25.5%	20.2%	13.3%	16.4%	24.6%	22.1%
45 to 89	4.8%	5.3%	5.1%	8.2%	4.5%	5.4%	6.4%	3.2%	1.8%	4.5%	3.5%	5.8%
90 to 179	1.5%	1.4%	1.7%	3.3%	1.0%	1.0%	2.3%	1.8%	0.6%	0.4%	0.9%	1.1%
180 to 359	0.5%	1.0%	0.3%	0.5%	0.7%	0.7%	0.6%	0.1%	0.0%	0.2%	0.1%	1.0%
360+	0.1%	0.1%	0.0%	0.0%	0.0%	0.3%	0.1%	0.1%	0.0%	0.0%	0.0%	0.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day psych hosp.stay, %	1.1%	1.9%	0.5%	1.1%	1.1%	1.4%	0.9%	0.8%	0.1%	0.4%	0.3%	1.5%
Cumu. DOS, pts with a 100+ day hosp. stay, mean	204.81	213.30	207.00	152.43	202.10	238.63	228.75	186.57	142.50	178.50	118.50	250.36
SD	83.77	85.01	72.58	31.90	65.23	97.92	69.37	99.29	13.44	71.62	23.33	83.54
Hosp. Pts. with a 150+ day psych hosp.stay, %	0.6%	1.1%	0.3%	0.3%	0.6%	1.0%	0.7%	0.4%	0.0%	0.2%	0.0%	1.4%
Cumu. DOS, pts with a 150+ day hosp. stay, mean	257.85	253.31	248.00	168.00	246.80	279.83	246.83	268.33	0.00	224.50	0.00	260.40
SD	74.65	77.21	21.21	25.46	56.13	72.60	71.45	106.87	0.00	75.66	0.00	80.76
Other VISN cumu. DOS, mean	1.07	0.26	1.02	0.85	0.57	0.43	0.59	0.88	0.36	0.69	0.60	0.39
SD	7.12	2.17	4.50	5.17	3.61	2.46	3.68	4.67	2.53	3.62	3.72	3.75
Other station cumu. DOS, mean	2.11	2.22	1.02	3.45	1.98	1.86	1.78	1.86	0.67	1.07	1.83	1.43
SD	8.65	6.48	4.50	9.99	6.71	5.38	5.87	6.32	3.10	4.77	6.32	6.03

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Bipolar Disorder	65556	3112	1882	1105	3018	3989	2836	3013	2561	3593	2739	4189
<u>Hospital based utilization: Psychiatric</u> ( psych- for those with some hosp.based util.)												
Pts. with psych hospital stays, %	19.7%	23.3%	18.1%	18.0%	24.8%	21.2%	23.3%	16.9%	17.6%	20.6%	15.0%	14.8%
Inpatient stays, mean	1.18	1.25	1.20	1.02	1.33	1.12	1.36	0.95	1.05	1.04	1.13	1.05
SD	1.39	1.53	1.50	1.15	1.50	1.12	1.61	1.22	1.24	1.17	1.70	1.29
Average LOS, mean	13.28	26.82	8.57	11.01	14.01	13.93	17.19	8.83	12.39	11.25	11.11	12.45
SD	24.75	55.82	15.76	11.56	20.92	19.24	35.15	8.08	12.71	24.02	10.29	15.37
Cumu. Days of Stay, mean	14.39	26.34	9.76	11.61	18.06	14.81	19.96	8.35	12.47	10.75	11.80	12.28
SD	28.98	55.24	21.68	20.86	33.70	24.12	37.87	14.69	19.30	24.07	19.51	22.57
Cumu. Days of Stay, %												
0	31.1%	30.5%	32.7%	34.5%	27.8%	28.7%	25.8%	40.4%	37.6%	33.4%	36.9%	35.1%
1 to 7	24.4%	16.4%	35.9%	26.0%	24.1%	27.1%	19.6%	26.5%	20.5%	24.9%	21.2%	23.1%
8 to 14	16.7%	14.4%	13.8%	15.5%	16.2%	13.4%	18.2%	15.3%	14.8%	19.9%	14.0%	15.4%
15 to 44	20.9%	24.5%	13.2%	18.4%	21.8%	21.9%	25.1%	14.9%	20.1%	18.8%	22.9%	21.6%
45 to 89	4.8%	7.5%	3.2%	4.3%	6.2%	6.8%	7.6%	2.6%	5.8%	2.0%	4.0%	3.1%
90 to 179	1.5%	3.7%	0.8%	1.0%	3.1%	2.0%	2.4%	0.2%	1.1%	0.6%	0.8%	1.5%
180 to 359	0.5%	1.8%	0.4%	0.3%	0.9%	0.1%	0.9%	0.1%	0.0%	0.4%	0.2%	0.2%
360+	0.1%	1.1%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day psych hosp.stay, %	1.1%	5.3%	0.8%	0.3%	1.8%	0.8%	2.5%	0.0%	0.1%	0.7%	0.3%	0.8%
Cumu. DOS, pts w/ a 100+ day hosp. stay, mean	204.81	221.69	184.50	180.00	187.26	162.56	205.64	0.00	104.00	230.25	157.50	157.88
SD	83.77	96.24	79.22	0.00	71.37	43.50	87.24	0.00	0.00	87.10	16.26	69.01
Hosp. Pts. with a 150+ day psych hosp.stay, %	0.6%	3.0%	0.4%	0.3%	0.7%	0.3%	1.3%	0.0%	0.0%	0.6%	0.0%	0.2%
Cumu. DOS, pts w/ a 150+ day hosp. stay, mean	257.85	284.58	243.00	180.00	233.14	202.67	254.00	0.00	0.00	244.29	0.00	266.00
SD	74.65	80.48	69.30	0.00	40.70	46.23	86.26	0.00	0.00	83.74	0.00	31.11
Other VISN cumu. DOS, mean	1.07	0.91	1.01	0.47	8.88	0.62	0.97	0.42	0.80	0.70	0.48	0.29
SD	7.12	5.50	5.83	2.51	24.39	3.74	4.67	2.55	4.06	5.01	2.88	2.05
Other station cumu. DOS, mean	2.11	3.56	1.45	0.47	9.09	1.35	2.30	1.29	1.55	1.73	1.46	0.90
SD	8.65	10.87	6.37	2.51	24.55	5.76	7.90	4.85	6.30	6.73	5.65	3.77

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Bipolar Disorder	65556	4263	2240	2438	3589	1551	2558	3093	5575	2814	2754	2644
<b>Other 24 hour institutional care</b>												
Patients with some other 24 hour institutional care, %	9.0%	6.6%	16.7%	11.5%	11.9%	11.3%	8.0%	3.8%	4.7%	6.5%	13.1%	6.4%
<b>Residential Rehabilitation</b>												
(reported for those with some res rehab care)												
Patients with some residential rehab. care, %	2.4%	1.9%	8.3%	1.1%	1.6%	2.7%	2.0%	0.2%	2.3%	1.7%	2.6%	3.7%
Number stays, mean	1.11	1.11	1.19	1.11	1.03	1.10	1.06	1.00	1.08	1.02	1.10	1.26
SD	0.33	0.31	0.43	0.32	0.18	0.30	0.24	0.00	0.31	0.14	0.30	0.49
Average LOS, mean	32.63	40.98	30.13	66.56	50.78	35.79	27.28	32.80	42.14	12.37	25.69	29.72
SD	31.95	56.61	20.39	72.13	76.83	22.15	14.71	38.61	26.37	5.33	21.27	30.18
Cumu. DOS, mean	36.05	44.52	34.98	72.78	50.93	38.71	28.38	32.80	45.23	12.51	28.59	37.44
SD	36.05	57.20	25.81	77.17	76.74	24.03	15.06	38.61	31.08	5.27	26.01	35.32
Cumu. Days of Stay, %												
1 to 7	10.3%	14.6%	8.6%	3.7%	10.3%	4.8%	7.7%	20.0%	9.2%	16.3%	7.0%	14.1%
8 to 14	10.6%	7.3%	7.0%	11.1%	6.9%	7.1%	11.5%	20.0%	4.6%	65.3%	25.4%	5.1%
15 to 44	56.8%	48.8%	64.7%	25.9%	53.4%	57.1%	67.3%	40.0%	36.2%	18.4%	54.9%	53.5%
45 to 89	16.6%	22.0%	14.4%	33.3%	19.0%	26.2%	13.5%	0.0%	44.6%	0.0%	8.5%	19.2%
90 to 179	4.6%	4.9%	5.3%	18.5%	5.2%	4.8%	0.0%	20.0%	4.6%	0.0%	4.2%	7.1%
180 to 359	0.8%	0.0%	0.0%	7.4%	1.7%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	1.0%
360+	0.3%	2.4%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Res Rehab pts with 100+ day Res Rehab stay, %	3.4%	4.9%	3.7%	22.2%	10.3%	0.0%	0.0%	20.0%	2.3%	0.0%	2.8%	4.0%
Cumu. DOS, pts w/ 100+ day Res Rehab stay, mean	170.85	243.50	116.57	186.50	241.83	0.00	0.00	100.00	156.67	0.00	135.50	161.25
SD	76.51	139.23	17.89	89.27	115.07	0.00	0.00	0.00	69.59	0.00	16.26	20.42
Res Rehab pts w/ 150+ day Res Rehab stay, %	0.9%	2.4%	0.0%	11.1%	6.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%
Cumu. DOS, pts w/ 150+ day Res Rehab stay, mean	257.53	364.00	0.00	220.67	301.50	0.00	0.00	0.00	0.00	0.00	0.00	178.50
SD	84.91	0.00	0.00	111.14	87.69	0.00	0.00	0.00	0.00	0.00	0.00	7.78
Other VISN cumu. DOS, mean	2.78	0.00	1.56	3.59	0.88	1.52	3.04	32.80	0.01	2.06	1.24	0.39
SD	16.18	0.00	8.95	12.64	5.92	5.59	10.41	38.61	0.09	6.22	10.44	2.78
Other station cumu. DOS, mean	5.86	5.91	1.56	8.85	4.78	6.17	7.83	32.80	0.72	2.06	1.24	4.34
SD	19.21	16.64	8.95	25.20	9.60	12.67	16.54	38.61	3.97	6.22	10.44	18.60

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Bipolar Disorder	65556	3112	1882	1105	3018	3989	2836	3013	2561	3593	2739	4189
<b>Other 24 hour institutional care</b>												
Patients with some other 24 hour institutional care, %	9.0%	21.3%	16.4%	13.2%	9.0%	4.7%	13.3%	5.1%	3.2%	12.7%	6.1%	5.7%
<b>Residential Rehabilitation</b>												
(reported for those with some res rehab care)												
Patients with some residential rehab. care, %	2.4%	9.4%	2.3%	1.1%	1.1%	0.8%	4.2%	0.6%	2.0%	3.3%	2.4%	0.3%
Number stays, mean	1.11	1.09	1.05	1.00	1.32	1.03	1.08	1.11	1.14	1.08	1.05	1.00
SD	0.33	0.30	0.21	0.00	0.53	0.18	0.28	0.32	0.40	0.27	0.21	0.35
Average LOS, mean	32.63	33.72	42.49	42.50	67.72	21.45	18.99	33.11	36.68	21.14	28.79	16.42
SD	31.95	18.35	30.62	30.78	60.10	10.84	11.50	30.76	28.15	11.53	18.64	16.13
Cumu. DOS, mean	36.05	36.75	43.70	42.50	91.06	21.59	21.57	38.05	40.14	22.50	29.91	16.42
SD	36.05	23.04	31.62	30.78	80.55	10.64	20.42	39.89	29.54	12.69	19.18	16.13
Cumu. Days of Stay, %												
1 to 7	10.3%	7.6%	11.6%	0.0%	5.9%	9.4%	10.9%	15.8%	14.0%	13.7%	15.2%	25.0%
8 to 14	10.6%	6.5%	2.3%	0.0%	8.8%	15.6%	16.8%	15.8%	12.0%	7.7%	4.5%	33.3%
15 to 44	56.8%	69.8%	46.5%	83.3%	26.5%	75.0%	68.1%	47.4%	30.0%	72.6%	59.1%	33.3%
45 to 89	16.6%	11.7%	30.2%	8.3%	20.6%	0.0%	1.7%	5.3%	38.0%	6.0%	21.2%	8.3%
90 to 179	4.6%	4.5%	9.3%	8.3%	17.6%	0.0%	2.5%	15.8%	6.0%	0.0%	0.0%	0.0%
180 to 359	0.8%	0.0%	0.0%	0.0%	20.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
360+	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Res Rehab pts with 100+ day Res Rehab stay, %	3.4%	1.7%	2.3%	8.3%	29.4%	0.0%	1.7%	10.5%	2.0%	0.0%	0.0%	0.0%
Cumul. DOS, pts w/ a 100+ day C.C. stay, mean	170.85	133.00	145.00	135.00	192.80	0.00	146.00	131.50	123.00	0.00	0.00	0.00
SD	76.51	30.86	0.00	0.00	59.21	0.00	7.07	28.99	0.00	0.00	0.00	0.00
Res Rehab pts w/ 150+ day Res Rehab stay, %	0.9%	0.0%	0.0%	0.0%	11.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Cumul. DOS, pts w/ a 150+ day C.C. stay, mean	257.53	0.00	0.00	0.00	227.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SD	84.91	0.00	0.00	0.00	29.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other VISN cumu. DOS, mean	2.78	0.80	4.42	5.00	66.82	1.75	0.61	2.63	1.02	2.31	0.00	10.67
SD	16.18	7.77	11.30	17.32	73.24	5.29	3.96	8.38	4.14	10.10	0.00	18.74
Other station cumu. DOS, mean	5.86	8.47	5.42	5.00	66.82	3.59	1.40	5.47	5.00	4.62	2.77	10.67
SD	19.21	16.72	11.83	17.32	73.24	7.13	5.39	14.42	13.18	12.55	9.55	18.74

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Bipolar Disorder	65556	4263	2240	2438	3589	1551	2558	3093	5575	2814	2754	2644
<u>Domiciliary and Vocational</u>												
(reported for those with some dom/voc care)												
Patients with some dom/voc care, %	5.0%	3.0%	8.9%	8.7%	7.9%	7.3%	4.5%	2.6%	0.9%	3.8%	8.7%	0.1%
Number stays, mean	1.21	1.34	1.35	1.27	1.18	1.12	1.20	1.18	1.04	1.16	1.23	1.00
SD	0.49	0.57	0.63	0.53	0.47	0.33	0.53	0.38	0.20	0.53	0.53	0.00
Average LOS, mean	75.30	77.54	85.52	55.89	46.93	86.15	42.08	62.08	78.49	107.57	50.32	11.33
SD	76.91	53.04	61.98	46.49	53.07	78.05	47.76	57.95	62.10	111.42	51.62	10.50
Cumu. DOS, mean	87.01	107.71	107.15	69.43	54.30	93.34	47.32	70.04	80.53	116.06	59.30	11.33
SD	84.60	89.75	70.62	61.14	59.22	80.60	50.59	63.65	62.19	112.76	59.24	10.50
Cumu. Days of Stay, %												
1 to 7	6.6%	5.6%	3.5%	8.5%	9.6%	3.5%	14.8%	7.5%	10.2%	7.5%	7.5%	33.3%
8 to 14	7.1%	7.1%	5.0%	6.2%	11.3%	6.2%	11.3%	12.5%	2.0%	6.5%	9.6%	33.3%
15 to 44	28.8%	16.7%	14.5%	32.7%	43.3%	18.6%	31.3%	28.8%	22.4%	21.5%	39.7%	33.3%
45 to 89	21.2%	18.3%	25.0%	19.9%	14.5%	27.4%	28.7%	16.3%	26.5%	18.7%	22.6%	0.0%
90 to 179	23.1%	35.7%	33.0%	27.5%	16.3%	34.5%	11.3%	28.8%	26.5%	20.6%	14.6%	0.0%
180 to 359	10.7%	15.1%	19.0%	4.7%	5.0%	7.1%	1.7%	6.3%	12.2%	17.8%	5.4%	0.0%
360+	2.5%	1.6%	0.0%	0.5%	0.0%	2.7%	0.9%	0.0%	0.0%	7.5%	0.4%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Dom. patients with 100+ day Dom. stay, %	29.1%	39.7%	42.5%	23.7%	17.4%	31.9%	8.7%	27.5%	32.7%	38.3%	14.6%	0.0%
Cumul. DOS, pts w/ a 100+ day Dom. stay, mean	192.39	189.26	175.80	157.66	166.78	177.92	162.70	152.23	155.81	226.68	172.11	0.00
SD	78.99	83.39	41.88	50.99	42.66	87.06	80.06	51.28	39.70	98.01	63.19	0.00
Dom. patients with 150+ day Dom. stay, %	15.5%	14.3%	24.5%	7.1%	9.9%	10.6%	3.5%	10.0%	16.3%	23.4%	5.9%	0.0%
Cumul. DOS, pts w/ a 150+ day Dom. stay, mean	242.33	270.89	197.49	187.00	191.64	281.17	222.00	202.25	188.13	292.08	221.50	0.00
SD	73.43	75.69	34.96	54.55	37.37	76.45	99.51	48.58	27.08	67.19	56.40	0.00
Other VISN cumu. DOS, mean	5.85	1.11	6.55	3.78	0.71	2.51	1.13	1.99	6.78	4.22	2.49	11.33
SD	24.68	5.77	17.00	16.24	6.47	11.30	7.94	11.83	22.38	14.12	13.12	10.50
Other station cumu. DOS, mean	8.22	12.01	6.55	7.38	4.27	5.55	1.42	3.08	6.78	4.61	3.84	11.33
SD	26.59	27.61	17.00	18.67	11.65	18.05	8.19	12.92	22.38	14.26	15.79	10.50

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Bipolar Disorder	65556	3112	1882	1105	3018	3989	2836	3013	2561	3593	2739	4189
<u>Domiciliary and Vocational</u>												
(reported for those with some dom/voc care)												
Patients with some dom/voc care, %	5.0%	11.4%	11.4%	9.9%	5.8%	2.8%	9.5%	2.1%	0.3%	7.4%	1.1%	3.4%
Number stays, mean	1.21	1.18	1.15	1.44	1.39	1.14	1.19	1.02	1.00	1.15	1.03	1.06
<i>SD</i>	0.49	0.45	0.42	0.84	0.59	0.38	0.44	0.13	0.00	0.42	0.19	0.23
Average LOS, mean	75.30	95.81	53.71	32.19	69.47	55.73	99.57	78.94	25.57	120.52	57.72	98.62
<i>SD</i>	76.91	83.20	41.68	29.12	50.92	66.08	100.93	77.88	31.55	117.59	62.25	76.41
Cumu. DOS, mean	87.01	106.69	59.72	45.53	98.42	64.04	111.60	80.24	25.57	132.76	58.31	103.99
<i>SD</i>	84.60	88.98	47.83	46.63	79.71	74.77	102.98	78.59	31.55	122.57	61.93	81.90
Cumu. Days of Stay, %												
1 to 7	6.6%	5.1%	3.7%	10.1%	1.7%	8.9%	5.9%	11.3%	42.9%	3.8%	6.9%	5.6%
8 to 14	7.1%	3.9%	8.9%	11.9%	6.8%	8.9%	4.1%	6.5%	0.0%	4.2%	17.2%	4.2%
15 to 44	28.8%	25.0%	35.0%	43.1%	26.7%	48.2%	20.8%	22.6%	42.9%	27.2%	24.1%	18.9%
45 to 89	21.2%	19.1%	31.3%	22.9%	17.0%	11.6%	25.7%	22.6%	0.0%	16.6%	31.0%	23.1%
90 to 179	23.1%	25.8%	19.2%	11.0%	33.0%	12.5%	22.3%	30.6%	14.3%	20.4%	13.8%	28.7%
180 to 359	10.7%	19.7%	1.9%	0.9%	13.1%	8.0%	13.8%	4.8%	0.0%	15.8%	6.9%	18.2%
360+	2.5%	1.4%	0.0%	0.0%	1.7%	1.8%	7.4%	1.6%	0.0%	12.1%	0.0%	1.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Dom. patients with 100+ day Dom. stay, %	29.1%	42.1%	15.4%	3.7%	31.8%	18.8%	33.8%	30.6%	0.0%	44.9%	13.8%	42.7%
Cumul. DOS, pts w/ a 100+ day Dom. stay, mean	192.39	193.50	136.03	199.75	184.52	194.86	227.18	167.32	0.00	244.96	185.50	180.74
<i>SD</i>	78.99	68.12	58.18	71.97	64.52	77.76	92.35	85.92	0.00	98.73	72.11	65.45
Dom. patients with 150+ day Dom. stay, %	15.5%	27.2%	0.9%	0.9%	17.0%	11.6%	23.0%	11.3%	0.0%	29.8%	6.9%	23.1%
Cumul. DOS, pts w/ a 150+ day Dom. stay, mean	242.33	225.61	285.00	176.00	218.87	237.85	271.31	250.00	0.00	297.65	247.50	226.73
<i>SD</i>	73.43	60.88	90.51	0.00	66.13	68.53	78.37	94.74	0.00	75.44	2.12	55.54
Other VISN cumu. DOS, mean	5.85	0.35	1.30	2.24	70.65	3.88	0.70	0.71	25.57	1.60	8.66	0.61
<i>SD</i>	24.68	3.12	6.80	13.95	67.97	18.38	5.60	3.18	31.55	11.05	23.23	4.58
Other station cumu. DOS, mean	8.22	5.86	2.85	2.24	70.65	5.12	2.24	2.24	25.57	4.54	9.83	0.66
<i>SD</i>	26.59	15.95	11.19	13.95	67.97	19.01	10.55	6.81	31.55	18.77	23.63	4.62

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Bipolar Disorder	65556	4263	2240	2438	3589	1551	2558	3093	5575	2814	2754	2644
<u>Nursing Home Care</u>												
(reported for those with some nursing home care)												
Patients with some nursing home care, %	2.2%	2.1%	2.7%	2.1%	2.6%	2.1%	1.8%	1.1%	1.6%	1.1%	2.9%	2.6%
Number stays, mean	1.22	1.23	1.20	1.29	1.28	1.27	1.17	1.09	1.19	1.26	1.14	1.22
<i>SD</i>	<i>0.55</i>	<i>0.64</i>	<i>0.51</i>	<i>0.58</i>	<i>0.59</i>	<i>0.52</i>	<i>0.48</i>	<i>0.29</i>	<i>0.39</i>	<i>0.51</i>	<i>0.49</i>	<i>0.51</i>
Average LOS, mean	90.92	127.02	100.52	133.58	88.74	77.06	149.20	130.21	113.69	39.14	84.75	86.44
<i>SD</i>	<i>108.94</i>	<i>132.52</i>	<i>117.10</i>	<i>126.93</i>	<i>109.32</i>	<i>96.03</i>	<i>142.18</i>	<i>110.53</i>	<i>112.83</i>	<i>38.40</i>	<i>105.02</i>	<i>105.68</i>
Cumu. DOS, mean	103.55	141.55	113.67	158.61	98.72	96.06	161.43	144.09	129.38	54.29	91.70	101.66
<i>SD</i>	<i>116.47</i>	<i>137.30</i>	<i>124.16</i>	<i>135.23</i>	<i>112.06</i>	<i>107.63</i>	<i>142.94</i>	<i>123.65</i>	<i>122.58</i>	<i>70.68</i>	<i>109.38</i>	<i>115.85</i>
Cumu. Days of Stay, %												
1 to 7	8.8%	10.2%	8.3%	11.8%	8.5%	9.1%	4.3%	3.0%	3.3%	9.7%	12.3%	14.7%
8 to 14	9.3%	4.5%	5.0%	5.9%	7.4%	12.1%	6.4%	12.1%	8.9%	22.6%	4.9%	10.3%
15 to 44	29.7%	25.0%	28.3%	13.7%	30.9%	27.3%	21.3%	18.2%	24.4%	32.3%	38.3%	20.6%
45 to 89	17.8%	12.5%	20.0%	11.8%	18.1%	15.2%	17.0%	12.1%	14.4%	22.6%	14.8%	19.1%
90 to 179	12.7%	10.2%	15.0%	21.6%	16.0%	15.2%	14.9%	12.1%	21.1%	6.5%	7.4%	13.2%
180 to 359	12.4%	20.5%	11.7%	17.6%	9.6%	15.2%	8.5%	30.3%	18.9%	6.5%	14.8%	14.7%
360+	9.4%	17.0%	11.7%	17.6%	9.6%	6.1%	27.7%	12.1%	8.9%	0.0%	7.4%	7.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
NH patients with 100+ day NH stay, %	30.8%	42.0%	33.3%	54.9%	29.8%	33.3%	48.9%	51.5%	41.1%	9.7%	29.6%	33.8%
Cumul. DOS, patients with a 100+ day NH stay, mean	254.31	286.97	265.10	258.93	242.86	216.36	284.39	245.00	252.41	237.67	239.50	239.09
<i>SD</i>	<i>95.88</i>	<i>83.22</i>	<i>99.50</i>	<i>98.33</i>	<i>102.99</i>	<i>99.14</i>	<i>102.47</i>	<i>87.05</i>	<i>95.04</i>	<i>100.27</i>	<i>90.87</i>	<i>98.53</i>
NH patients with 150+ day NH stay, %	22.6%	35.2%	21.7%	45.1%	18.1%	21.2%	40.4%	42.4%	32.2%	6.5%	23.5%	20.6%
Cumul. DOS, patients with a 150+ day NH stay, mean	295.35	311.23	314.92	287.22	306.47	268.43	318.32	265.71	288.72	291.00	270.16	304.36
<i>SD</i>	<i>74.93</i>	<i>65.30</i>	<i>71.47</i>	<i>84.47</i>	<i>74.85</i>	<i>87.29</i>	<i>76.37</i>	<i>80.41</i>	<i>72.14</i>	<i>55.15</i>	<i>75.48</i>	<i>64.64</i>
Other VISN cumu. DOS, mean	3.65	0.00	0.02	0.00	0.37	2.06	0.00	0.00	0.00	0.23	2.22	0.32
<i>SD</i>	<i>25.32</i>	<i>0.00</i>	<i>0.13</i>	<i>0.00</i>	<i>2.66</i>	<i>9.27</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>1.26</i>	<i>10.73</i>	<i>2.23</i>
Other station cumu. DOS, mean	4.66	1.00	0.02	1.78	1.84	6.58	1.43	2.00	0.82	0.23	4.94	0.32
<i>SD</i>	<i>26.23</i>	<i>5.18</i>	<i>0.13</i>	<i>8.95</i>	<i>7.55</i>	<i>24.72</i>	<i>9.77</i>	<i>10.30</i>	<i>4.80</i>	<i>1.26</i>	<i>13.49</i>	<i>2.23</i>

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Bipolar Disorder	65556	3112	1882	1105	3018	3989	2836	3013	2561	3593	2739	4189
<u>Nursing Home Care</u>												
(reported for those with some nursing home care)												
Patients with some nursing home care, %	2.2%	4.0%	3.6%	2.9%	2.5%	1.2%	2.0%	2.7%	1.1%	2.4%	2.9%	2.1%
Number stays, mean	1.22	1.19	1.19	1.22	1.32	1.08	1.14	1.29	1.17	1.20	1.35	1.25
SD	0.55	0.50	0.43	0.61	0.62	0.28	0.40	0.64	0.38	0.48	0.90	0.59
Average LOS, mean	90.92	130.71	55.78	82.35	56.27	87.80	82.38	40.21	95.95	55.32	90.58	79.01
SD	108.94	133.65	91.27	96.61	53.24	114.80	98.24	49.42	112.25	85.45	104.93	90.40
Cumu. DOS, mean	103.55	146.17	62.42	92.28	79.18	88.90	87.54	49.86	106.90	60.45	109.66	90.12
SD	116.47	140.46	96.70	98.11	89.89	114.13	99.29	59.47	120.73	86.39	116.33	95.76
Cumu. Days of Stay, %												
1 to 7	8.8%	5.6%	14.9%	6.3%	7.9%	10.4%	7.0%	8.8%	10.3%	14.0%	8.8%	4.5%
8 to 14	9.3%	6.3%	11.9%	6.3%	7.9%	8.3%	8.8%	15.0%	10.3%	12.8%	11.3%	13.5%
15 to 44	29.7%	27.0%	46.3%	37.5%	32.9%	31.3%	31.6%	45.0%	27.6%	39.5%	23.8%	22.5%
45 to 89	17.8%	14.3%	10.4%	15.6%	22.4%	25.0%	26.3%	17.5%	17.2%	19.8%	16.3%	29.2%
90 to 179	12.7%	11.1%	4.5%	21.9%	18.4%	10.4%	10.5%	6.3%	13.8%	4.7%	15.0%	15.7%
180 to 359	12.4%	15.9%	6.0%	6.3%	5.3%	2.1%	10.5%	7.5%	13.8%	5.8%	17.5%	11.2%
360+	9.4%	19.8%	6.0%	6.3%	5.3%	12.5%	5.3%	0.0%	6.9%	3.5%	7.5%	3.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
NH patients with 100+ day NH stay, %	30.8%	43.7%	16.4%	25.0%	21.1%	25.0%	24.6%	10.0%	34.5%	14.0%	32.5%	24.7%
Cumul. DOS, pts with a 100+ day NH stay, mean	254.31	288.38	255.36	216.00	215.56	256.92	235.64	192.75	248.70	251.75	249.77	229.09
SD	95.88	88.63	103.91	111.06	99.38	114.55	97.11	59.05	101.09	91.40	95.84	92.66
NH patients with 150+ day NH stay, %	22.6%	37.3%	11.9%	15.6%	9.2%	18.8%	15.8%	5.0%	24.1%	11.6%	21.3%	18.0%
Cumul. DOS, pts with a 150+ day NH stay, mean	295.35	313.55	304.50	272.60	301.00	301.44	287.22	217.50	298.71	275.80	301.35	265.13
SD	74.93	68.08	72.58	104.02	85.37	94.79	77.41	61.50	74.63	79.63	67.54	81.91
Other VISN cumu. DOS, mean	3.65	0.00	0.00	0.00	50.34	0.15	0.28	1.63	27.72	0.45	1.64	0.21
SD	25.32	0.00	0.00	0.00	79.57	1.01	2.12	12.47	88.80	3.17	9.88	1.51
Other station cumu. DOS, mean	4.66	1.70	0.36	0.00	50.71	0.73	0.28	2.13	27.90	1.10	2.95	0.90
SD	26.23	12.72	2.70	0.00	79.37	4.14	2.12	12.86	88.75	5.10	12.26	6.62

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Bipolar Disorder	65556	4263	2240	2438	3589	1551	2558	3093	5575	2814	2754	2644
<b><u>Outpatient utilization</u></b>												
(reported for those with some outpatient care)												
Patients with some outpatient care, %	99.5%	99.3%	99.4%	99.3%	99.4%	99.5%	99.4%	99.8%	99.6%	99.8%	99.5%	99.1%
annual visit days, mean	25.30	33.46	33.65	32.28	21.78	30.38	20.05	21.46	22.33	17.11	26.23	20.12
SD	31.91	42.93	38.12	41.60	29.62	37.57	25.60	26.55	24.46	19.00	29.86	28.08
Outpatient visit days, %												
1-12	41.8%	34.9%	31.0%	37.9%	46.0%	37.4%	49.9%	45.6%	41.1%	51.3%	37.8%	51.8%
13-24	26.7%	25.4%	26.8%	24.3%	29.1%	25.1%	26.0%	28.2%	29.4%	28.6%	26.6%	25.8%
25-36	12.6%	13.1%	13.7%	12.3%	10.8%	13.0%	11.4%	12.0%	13.4%	11.4%	13.6%	9.5%
37-48	6.6%	7.7%	8.5%	7.3%	5.4%	7.8%	5.2%	5.2%	7.0%	4.2%	7.9%	4.8%
49+	12.4%	18.9%	20.1%	18.2%	8.7%	16.7%	7.6%	9.0%	9.1%	4.5%	14.0%	8.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% of Outpatients who had some Primary Care (PC)	75.5%	75.0%	82.6%	72.3%	70.4%	72.0%	72.3%	74.1%	84.2%	73.0%	73.6%	75.3%
Mean PC visit days, among those with some PC	3.72	3.53	3.82	3.03	3.59	4.15	3.71	3.80	4.35	3.23	3.93	3.17
SD	3.29	3.07	2.89	2.59	3.04	4.15	3.54	4.12	3.55	2.40	3.37	2.47
Average number clinic stops per visit day, mean	1.54	1.44	1.45	1.43	1.49	1.55	1.59	1.53	1.53	1.60	1.50	1.53
SD	0.47	0.41	0.38	0.36	0.43	0.47	0.50	0.46	0.45	0.50	0.45	0.47
annual clinic stops (psych & non-psych), mean	40.19	50.36	53.09	49.58	32.78	49.41	31.78	33.84	34.59	27.26	42.01	31.86
SD	57.43	70.63	69.95	74.06	46.27	69.36	41.61	45.28	42.19	30.81	54.85	48.65
annual non-psych. clinic stops, mean	20.66	22.72	21.66	22.99	17.91	24.94	19.37	18.45	21.65	17.85	17.97	17.87
SD	25.34	29.75	25.37	27.15	24.40	32.11	23.27	21.00	22.36	19.72	19.55	26.90
annual psych. clinic stops (groupings below), mean	19.53	27.63	31.43	26.59	14.87	24.47	12.41	15.38	12.93	9.40	24.04	13.99
SD	43.20	54.14	55.12	59.19	32.20	48.15	28.07	32.15	29.43	19.36	45.18	32.31
1. general psych. clinic stops, mean	8.17	9.08	11.63	7.42	7.16	9.38	6.52	8.02	6.47	5.56	9.84	5.73
SD	13.67	13.12	14.04	9.80	9.17	14.77	8.92	10.70	9.89	7.38	15.07	8.81
2. psych. case management clinic stops, mean	0.64	2.57	0.75	0.72	0.37	0.09	0.18	0.31	0.22	0.15	0.78	0.96
SD	9.52	23.49	7.43	6.17	4.90	2.74	2.38	5.65	4.27	3.20	7.42	11.07
3. psych. day treatment clinic stops, mean	1.96	3.26	4.78	3.12	0.69	2.00	1.03	0.81	1.33	0.27	2.00	2.43
SD	17.21	17.57	26.56	21.20	7.02	12.55	12.21	10.59	12.39	6.30	14.27	18.11

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Bipolar Disorder	65556	3112	1882	1105	3018	3989	2836	3013	2561	3593	2739	4189
<b><u>Outpatient utilization</u></b>												
(reported for those with some outpatient care)												
Patients with some outpatient care, %	99.5%	98.6%	99.6%	99.7%	99.4%	99.6%	99.6%	99.8%	99.6%	99.7%	99.5%	99.7%
annual visit days, mean	25.30	36.68	26.73	26.66	25.10	21.05	25.63	21.33	23.99	26.37	24.42	25.75
SD	31.91	45.70	32.77	37.56	34.44	26.68	32.77	20.10	24.37	29.17	28.59	31.82
Outpatient visit days, %												
1-12	41.8%	36.5%	44.5%	46.6%	46.8%	47.3%	41.3%	40.8%	37.8%	37.1%	40.0%	39.6%
13-24	26.7%	21.1%	21.9%	22.3%	24.8%	28.5%	27.8%	28.0%	27.4%	27.5%	27.4%	26.3%
25-36	12.6%	11.8%	10.9%	11.5%	10.9%	10.4%	12.4%	15.6%	15.6%	13.3%	14.1%	14.1%
37-48	6.6%	7.2%	7.3%	6.2%	4.7%	5.1%	5.9%	7.5%	8.0%	8.8%	6.9%	7.1%
49+	12.4%	23.4%	15.4%	13.4%	12.8%	8.8%	12.6%	8.1%	11.2%	13.3%	11.7%	13.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Pts. with some OP primary care, %	75.5%	71.9%	61.4%	81.2%	75.3%	74.8%	81.4%	80.3%	79.4%	71.6%	76.4%	74.7%
OP visit days with primary care clinic stops, mean	3.72	3.86	3.09	3.41	3.18	3.10	4.10	3.87	3.82	3.73	4.08	4.27
SD	3.29	3.49	2.47	2.88	2.84	2.30	3.81	2.91	3.43	3.08	3.71	4.09
Average number clinic stops per visit day, mean	1.54	1.67	1.99	1.82	1.59	1.53	1.72	1.52	1.45	1.45	1.34	1.46
SD	0.47	0.61	0.77	0.62	0.53	0.44	0.66	0.41	0.39	0.37	0.35	0.41
annual clinic stops (psych & non-psych), mean	40.19	66.18	58.50	52.30	41.96	32.38	43.10	32.75	35.35	38.48	33.50	38.38
SD	57.43	96.35	86.41	88.86	61.99	43.68	56.09	34.28	40.53	45.19	42.21	53.82
annual non-psych. clinic stops, mean	20.66	26.90	22.51	23.25	19.59	17.70	27.42	20.70	19.09	19.09	17.56	21.15
SD	25.34	31.79	34.15	25.84	24.76	19.02	36.14	21.84	20.31	22.04	19.75	26.23
annual psych. clinic stops (groupings below), mean	19.53	39.27	35.99	29.04	22.37	14.68	15.68	12.05	16.26	19.39	15.94	17.23
SD	43.20	77.66	68.01	75.03	46.05	32.18	32.53	21.98	29.86	34.33	32.34	37.62
1. general psych. clinic stops, mean	8.17	10.76	16.13	10.49	10.23	5.87	6.57	7.60	8.22	7.43	8.38	8.35
SD	13.67	19.12	33.89	20.63	19.91	8.10	9.52	10.39	15.79	10.01	11.64	12.42
2. psych. case management clinic stops, mean	0.64	3.37	0.50	0.73	0.04	0.21	0.26	0.07	0.61	0.63	0.06	0.10
SD	9.52	25.51	4.58	6.65	1.28	3.09	4.73	0.94	6.57	6.92	1.53	2.24
3. psych. day treatment clinic stops, mean	1.96	4.94	5.23	6.76	1.15	1.36	0.84	0.38	1.54	0.59	2.00	2.22
SD	17.21	34.74	29.39	36.41	12.85	14.40	9.61	9.31	5.77	6.37	13.76	23.56

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Bipolar Disorder	65556	4263	2240	2438	3589	1551	2558	3093	5575	2814	2754	2644
4. substance abuse clinic stops, mean	4.99	5.37	8.21	7.67	4.08	9.29	2.31	2.64	3.21	2.32	7.93	3.19
<i>SD</i>	<i>21.56</i>	<i>19.13</i>	<i>22.22</i>	<i>29.76</i>	<i>23.40</i>	<i>35.12</i>	<i>12.21</i>	<i>11.65</i>	<i>17.80</i>	<i>11.63</i>	<i>26.41</i>	<i>16.36</i>
5. psych. vocational clinic stops, mean	2.27	5.00	3.88	5.68	1.75	2.15	1.74	2.54	0.86	0.52	1.33	0.73
<i>SD</i>	<i>16.88</i>	<i>25.18</i>	<i>22.39</i>	<i>28.77</i>	<i>13.09</i>	<i>13.52</i>	<i>15.04</i>	<i>18.00</i>	<i>8.85</i>	<i>5.76</i>	<i>11.51</i>	<i>8.67</i>
6. PTSD clinic stops, mean	0.87	1.26	1.22	1.15	0.48	0.81	0.23	0.80	0.31	0.26	1.62	0.56
<i>SD</i>	<i>5.92</i>	<i>6.88</i>	<i>6.67</i>	<i>7.50</i>	<i>3.22</i>	<i>4.86</i>	<i>2.20</i>	<i>5.40</i>	<i>2.73</i>	<i>3.52</i>	<i>10.50</i>	<i>4.27</i>
7. psych. homeless clinic stops, mean	0.61	1.09	0.71	0.81	0.34	0.75	0.37	0.26	0.42	0.29	0.53	0.40
<i>SD</i>	<i>4.15</i>	<i>7.47</i>	<i>4.11</i>	<i>5.01</i>	<i>1.93</i>	<i>4.20</i>	<i>2.34</i>	<i>1.74</i>	<i>2.70</i>	<i>1.58</i>	<i>3.34</i>	<i>2.63</i>
Other VISN OP visit days, mean	0.54	0.29	0.94	0.60	0.37	0.69	0.48	0.53	0.40	0.69	0.57	0.28
<i>SD</i>	<i>3.18</i>	<i>2.42</i>	<i>5.25</i>	<i>3.91</i>	<i>2.18</i>	<i>3.60</i>	<i>2.86</i>	<i>3.39</i>	<i>2.22</i>	<i>3.26</i>	<i>3.76</i>	<i>1.47</i>
Other station OP visit days, mean	1.85	2.32	0.94	1.78	1.40	1.66	1.12	1.27	0.81	0.89	1.47	1.20
<i>SD</i>	<i>7.67</i>	<i>8.50</i>	<i>5.25</i>	<i>6.68</i>	<i>4.84</i>	<i>6.33</i>	<i>3.74</i>	<i>5.08</i>	<i>3.22</i>	<i>3.63</i>	<i>5.44</i>	<i>3.42</i>

**Table 3D: FY01 Patients w/ Bipolar Disorder, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Bipolar Disorder	65556	3112	1882	1105	3018	3989	2836	3013	2561	3593	2739	4189
4. substance abuse clinic stops, mean	4.99	12.52	9.42	4.54	5.47	4.06	4.11	2.07	3.39	6.67	3.94	3.29
<i>SD</i>	<i>21.56</i>	<i>43.33</i>	<i>27.19</i>	<i>24.27</i>	<i>19.52</i>	<i>18.76</i>	<i>14.19</i>	<i>8.88</i>	<i>15.54</i>	<i>22.05</i>	<i>20.20</i>	<i>16.02</i>
5. psych. vocational clinic stops, mean	2.27	5.00	2.96	5.19	4.39	1.38	2.60	0.79	0.97	1.63	0.44	1.51
<i>SD</i>	<i>16.88</i>	<i>25.59</i>	<i>17.83</i>	<i>40.41</i>	<i>22.16</i>	<i>10.86</i>	<i>17.39</i>	<i>7.67</i>	<i>11.55</i>	<i>12.32</i>	<i>5.48</i>	<i>13.07</i>
6. PTSD clinic stops, mean	0.87	1.25	1.22	1.18	0.97	0.90	0.62	0.75	1.03	1.57	0.43	0.96
<i>SD</i>	<i>5.92</i>	<i>8.71</i>	<i>7.95</i>	<i>8.57</i>	<i>5.99</i>	<i>6.38</i>	<i>3.89</i>	<i>4.47</i>	<i>5.80</i>	<i>6.52</i>	<i>2.77</i>	<i>6.46</i>
7. psych. homeless clinic stops, mean	0.61	1.42	0.51	0.14	0.13	0.87	0.67	0.34	0.45	0.85	0.65	0.80
<i>SD</i>	<i>4.15</i>	<i>9.86</i>	<i>4.11</i>	<i>1.04</i>	<i>1.03</i>	<i>4.47</i>	<i>3.40</i>	<i>1.88</i>	<i>2.50</i>	<i>3.93</i>	<i>4.33</i>	<i>3.20</i>
Other VISN OP visit days, mean	0.54	0.64	0.91	0.59	0.64	0.57	0.68	0.55	0.52	0.67	0.49	0.40
<i>SD</i>	<i>3.18</i>	<i>3.56</i>	<i>4.90</i>	<i>3.48</i>	<i>4.25</i>	<i>2.85</i>	<i>3.50</i>	<i>2.49</i>	<i>2.39</i>	<i>3.90</i>	<i>2.46</i>	<i>1.95</i>
Other station OP visit days, mean	1.85	3.13	1.99	0.59	10.64	1.05	1.18	1.11	2.80	1.37	1.14	0.92
<i>SD</i>	<i>7.67</i>	<i>9.52</i>	<i>6.45</i>	<i>3.48</i>	<i>23.83</i>	<i>3.82</i>	<i>5.24</i>	<i>3.86</i>	<i>8.94</i>	<i>4.90</i>	<i>3.92</i>	<i>3.21</i>

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Other Psychoses	32380	1360	713	1199	1287	909	1574	1900	3060	1731	1129	987
<b><u>Hospital Based Utilization</u></b>												
Patients with some Hospital Based Utilization, %	36.2%	31.8%	36.2%	29.6%	35.4%	41.5%	37.0%	36.5%	28.7%	41.9%	39.0%	40.5%
<b><u>Hospital based utilization: Overall</u></b> (psych & non-psych- for those with some hosp.util.)												
Inpatient stays, mean	1.88	1.95	1.79	1.79	1.78	2.10	1.97	1.94	1.91	2.03	1.96	2.05
<i>SD</i>	<i>1.44</i>	<i>1.54</i>	<i>1.36</i>	<i>1.36</i>	<i>1.26</i>	<i>1.73</i>	<i>1.62</i>	<i>1.40</i>	<i>1.51</i>	<i>1.63</i>	<i>1.53</i>	<i>1.59</i>
Average LOS, mean	11.58	12.66	10.23	15.30	13.14	16.23	11.80	13.41	9.85	9.10	11.83	11.60
<i>SD</i>	<i>20.77</i>	<i>22.98</i>	<i>13.52</i>	<i>27.31</i>	<i>26.97</i>	<i>38.10</i>	<i>19.20</i>	<i>24.03</i>	<i>13.97</i>	<i>16.93</i>	<i>18.27</i>	<i>19.96</i>
Cumulative DOS, mean	20.30	24.03	17.79	27.19	20.98	29.29	21.90	24.98	17.79	17.44	20.21	21.80
<i>SD</i>	<i>31.74</i>	<i>42.51</i>	<i>29.29</i>	<i>42.06</i>	<i>37.04</i>	<i>53.52</i>	<i>31.14</i>	<i>39.97</i>	<i>24.12</i>	<i>24.90</i>	<i>24.26</i>	<i>32.04</i>
Cumulative DOS, %												
1 to 7	37.5%	35.8%	35.7%	35.5%	36.3%	34.7%	32.9%	32.3%	41.4%	42.1%	32.5%	36.0%
8 to 14	23.2%	24.2%	25.2%	19.7%	24.2%	20.7%	23.7%	24.0%	22.3%	21.5%	24.3%	21.8%
15 to 44	29.0%	28.9%	32.9%	30.1%	30.3%	30.2%	31.6%	29.4%	27.3%	28.3%	32.0%	29.3%
45 to 89	7.2%	5.5%	4.7%	7.0%	5.9%	7.7%	9.1%	9.7%	6.7%	5.8%	8.2%	9.5%
90 to 179	2.2%	3.7%	0.8%	5.9%	2.2%	3.4%	1.7%	3.2%	1.9%	2.2%	2.7%	2.5%
180 to 359	0.7%	1.6%	0.4%	1.7%	1.1%	2.9%	0.9%	1.0%	0.3%	0.0%	0.2%	1.0%
360+	0.1%	0.2%	0.4%	0.0%	0.0%	0.3%	0.2%	0.4%	0.0%	0.1%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hospital patients with a 100+ day hospital stay, %	1.6%	3.0%	0.8%	2.3%	2.4%	4.5%	1.2%	2.7%	0.9%	0.6%	1.4%	1.8%
Cumul. DOS, patients with a 100+ day hosp. stay, mean	196.16	205.38	241.00	212.25	207.64	232.12	216.43	203.37	156.13	201.50	134.83	186.43
<i>SD</i>	<i>76.84</i>	<i>86.04</i>	<i>172.53</i>	<i>65.31</i>	<i>97.78</i>	<i>81.28</i>	<i>74.21</i>	<i>82.55</i>	<i>30.16</i>	<i>110.83</i>	<i>38.14</i>	<i>59.63</i>
Hospital patients who had a 150+ day hosp. stay, %	0.9%	1.8%	0.4%	1.7%	1.3%	3.7%	0.7%	1.3%	0.2%	0.3%	0.2%	1.0%
Cumul. DOS, patients with a 150+ day hosp. stay, mean	239.25	245.00	363.00	225.50	278.67	235.43	255.50	243.67	168.50	269.00	208.00	225.75
<i>SD</i>	<i>71.57</i>	<i>86.18</i>	<i>0.00</i>	<i>60.93</i>	<i>75.38</i>	<i>74.06</i>	<i>75.03</i>	<i>92.05</i>	<i>23.33</i>	<i>134.35</i>	<i>0.00</i>	<i>42.44</i>
Cumulative DOS at Other VISNs	0.75	0.51	0.73	0.33	0.41	0.70	0.25	0.79	0.47	0.51	0.66	0.30
<i>SD</i>	<i>5.10</i>	<i>4.26</i>	<i>6.05</i>	<i>2.16</i>	<i>3.13</i>	<i>5.45</i>	<i>1.53</i>	<i>6.41</i>	<i>4.33</i>	<i>3.38</i>	<i>6.87</i>	<i>2.00</i>
Cumulative DOS at Other Stations	1.71	2.08	0.73	1.72	2.00	2.33	1.21	2.26	0.79	0.85	2.32	1.62
<i>SD</i>	<i>7.13</i>	<i>8.80</i>	<i>6.05</i>	<i>8.27</i>	<i>5.63</i>	<i>10.07</i>	<i>4.11</i>	<i>9.00</i>	<i>4.83</i>	<i>4.69</i>	<i>9.06</i>	<i>4.82</i>

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Other Psychoses	32380	1270	736	356	1889	3432	1657	1586	782	1351	1619	1853
<b><u>Hospital Based Utilization</u></b>												
Patients with some Hospital Based Utilization, %	36.2%	44.7%	39.4%	45.5%	39.0%	35.6%	36.6%	40.0%	39.1%	37.7%	33.2%	30.7%
<b><u>Hospital based utilization: Overall</u></b> (psych & non-psych- for those with some hosp.util.)												
Inpatient stays, mean	1.88	1.94	2.00	1.93	1.86	1.71	1.84	1.80	1.82	1.75	1.92	1.70
<i>SD</i>	1.44	1.43	1.38	1.34	1.41	1.28	1.45	1.31	1.25	1.24	1.59	1.28
Average LOS, mean	11.58	12.53	7.63	8.06	10.60	11.64	17.31	7.87	10.43	9.86	10.55	12.29
<i>SD</i>	20.77	19.83	6.75	7.32	21.46	13.84	35.80	10.41	17.29	20.27	17.35	16.91
Cumulative DOS, mean	20.30	22.93	15.46	16.09	17.74	19.49	25.86	13.55	18.55	16.95	18.89	19.93
<i>SD</i>	31.74	33.74	16.94	18.62	27.77	25.26	41.76	18.17	28.17	31.55	27.77	29.06
Cumulative DOS, %												
1 to 7	37.5%	33.1%	40.3%	42.0%	42.1%	38.0%	31.1%	44.6%	38.2%	41.6%	38.4%	37.4%
8 to 14	23.2%	22.9%	24.8%	24.1%	24.8%	21.4%	23.2%	27.0%	24.5%	28.4%	22.0%	19.0%
15 to 44	29.0%	31.7%	27.2%	25.9%	25.0%	28.1%	31.1%	24.4%	31.0%	23.9%	29.6%	33.7%
45 to 89	7.2%	8.6%	6.9%	6.8%	5.0%	10.8%	9.4%	2.7%	4.2%	3.3%	8.2%	7.2%
90 to 179	2.2%	2.6%	0.7%	1.2%	2.4%	1.4%	3.5%	1.1%	1.0%	1.6%	1.3%	2.3%
180 to 359	0.7%	1.1%	0.0%	0.0%	0.7%	0.3%	1.2%	0.2%	1.0%	1.0%	0.6%	0.4%
360+	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.2%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hospital patients with a 100+ day hospital stay, %	1.6%	1.8%	0.0%	0.0%	1.9%	0.7%	3.5%	0.2%	1.0%	2.2%	0.9%	1.4%
Cumul. DOS, patients with a 100+ day hosp. stay, mean	196.16	202.50	0.00	0.00	164.00	181.33	196.38	161.00	210.00	193.09	196.40	186.50
<i>SD</i>	76.84	69.92	0.00	0.00	48.71	73.25	88.22	0.00	60.51	75.80	85.91	80.47
Hospital patients who had a 150+ day hosp. stay, %	0.9%	1.1%	0.0%	0.0%	1.1%	0.2%	1.6%	0.2%	1.0%	1.2%	0.4%	0.7%
Cumul. DOS, patients with a 150+ day hosp. stay, mean	239.25	233.17	0.00	0.00	196.75	222.00	265.30	161.00	210.00	243.33	287.50	240.50
<i>SD</i>	71.57	68.71	0.00	0.00	37.95	74.96	78.78	0.00	60.51	66.15	24.75	83.44
Cumulative DOS at Other VISNs	0.75	0.21	0.43	0.90	4.00	0.32	0.36	1.06	0.87	0.96	0.44	0.53
<i>SD</i>	5.10	1.90	3.23	5.79	9.98	2.53	2.61	8.67	4.89	4.91	5.06	3.89
Cumulative DOS at Other Stations	1.71	2.18	1.34	0.90	4.11	0.96	0.94	1.93	1.67	2.04	2.56	1.12
<i>SD</i>	7.13	7.49	5.38	5.79	10.09	4.21	5.05	9.41	7.71	6.33	9.92	5.36

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Other Psychoses	32380	1360	713	1199	1287	909	1574	1900	3060	1731	1129	987
<u>Hospital based utilization: Non-Psych</u>												
( non-psych- for those with some hosp.based util.)												
Pts. with non-psych hospital stays, %	24.7%	22.1%	26.9%	20.0%	25.3%	29.4%	24.6%	23.7%	22.0%	30.2%	25.5%	27.7%
Inpatient stays, mean	1.23	1.26	1.24	1.14	1.25	1.36	1.21	1.18	1.39	1.39	1.25	1.47
SD	1.37	1.45	1.18	1.25	1.29	1.53	1.48	1.32	1.40	1.45	1.43	1.70
Average LOS, mean	10.42	11.69	8.44	13.86	13.26	15.70	11.17	12.59	10.28	8.36	10.64	9.16
SD	19.85	20.82	8.40	24.83	33.24	37.82	15.45	22.19	15.26	12.60	14.58	12.70
Cumulative Days of Stay, mean	11.97	14.19	10.45	14.89	14.60	18.22	12.89	14.38	13.69	10.98	12.03	12.61
SD	24.74	32.56	17.25	29.15	36.07	42.90	23.57	29.83	23.40	18.38	19.07	22.99
Cumulative Days of Stay, %												
0	31.8%	30.5%	25.6%	32.4%	28.4%	29.2%	33.6%	34.9%	23.1%	27.9%	34.5%	31.8%
1 to 7	30.0%	31.6%	30.2%	27.9%	31.2%	28.4%	27.8%	26.3%	32.0%	33.5%	23.9%	26.8%
8 to 14	15.1%	14.1%	18.6%	13.0%	13.8%	14.3%	12.2%	14.1%	17.9%	15.7%	15.0%	16.0%
15 to 44	17.4%	16.9%	22.9%	18.6%	21.3%	19.4%	18.5%	15.9%	20.2%	17.8%	19.5%	18.3%
45 to 89	4.1%	3.9%	1.9%	4.8%	2.6%	4.8%	6.2%	5.9%	4.8%	4.0%	5.7%	6.0%
90 to 179	1.3%	2.3%	0.4%	3.1%	1.5%	2.1%	1.4%	2.0%	1.6%	1.1%	1.4%	0.8%
180 to 359	0.4%	0.5%	0.4%	0.3%	1.1%	1.6%	0.3%	0.9%	0.3%	0.0%	0.0%	0.5%
360+	0.0%	0.2%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day non-psych hosp.stay, %	0.9%	1.4%	0.0%	0.8%	2.2%	2.9%	0.9%	1.9%	0.8%	0.4%	0.7%	0.3%
Cumul. DOS, pts with a 100+ day hosp. stay, mean	183.74	205.83	0.00	181.67	213.30	223.09	165.20	167.23	157.57	145.33	109.67	225.00
SD	69.74	90.96	0.00	88.84	99.45	84.34	52.31	45.98	32.28	28.50	3.06	0.00
Hosp. Pts. with a 150+ day non-psych hosp.stay, %	0.5%	1.2%	0.0%	0.6%	1.3%	2.4%	0.3%	0.6%	0.2%	0.1%	0.0%	0.3%
Cumul. DOS, pts with a 150+ day hosp. stay, mean	221.52	219.00	0.00	216.00	277.17	218.78	221.00	192.00	168.50	174.00	0.00	225.00
SD	64.88	95.09	0.00	93.34	74.45	71.32	8.49	24.08	23.33	0.00	0.00	0.00
Other VISN cumulative DOS, mean	0.40	0.37	0.37	0.20	0.30	0.38	0.11	0.13	0.30	0.14	0.31	0.12
SD	3.66	4.04	5.14	1.68	2.85	4.70	1.02	1.48	3.37	1.05	4.24	1.16
Other station cumulative DOS, mean	0.87	1.28	0.37	0.80	1.20	0.92	0.40	1.00	0.51	0.29	1.22	1.00
SD	4.88	6.73	5.14	5.12	4.67	6.71	2.06	5.70	3.80	1.69	5.87	3.73

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Other Psychoses	32380	1270	736	356	1889	3432	1657	1586	782	1351	1619	1853
<u>Hospital based utilization: Non-Psych</u> ( non-psych- for those w/ some hosp.based util.)												
Pts. with non-psych hospital stays, %	24.7%	29.9%	28.4%	32.6%	28.0%	22.3%	23.2%	32.0%	28.3%	22.9%	19.9%	18.4%
Inpatient stays, mean	1.23	1.15	1.46	1.38	1.31	1.06	1.07	1.42	1.26	1.05	1.04	1.00
SD	1.37	1.25	1.49	1.47	1.46	1.26	1.29	1.33	1.26	1.28	1.24	1.20
Average LOS, mean	10.42	11.15	7.15	6.96	11.58	10.14	10.73	7.33	7.30	10.84	8.63	10.53
SD	19.85	19.79	5.96	8.04	27.76	14.23	19.71	10.88	11.80	29.46	18.31	16.66
Cumulative Days of Stay, mean	11.97	12.35	10.61	9.59	12.60	10.28	10.46	9.95	9.24	10.21	9.00	10.73
SD	24.74	26.42	14.96	14.59	26.71	18.10	20.65	16.30	14.73	28.92	22.73	25.33
Cumulative Days of Stay, %												
0	31.8%	33.1%	27.9%	28.4%	28.2%	37.3%	36.6%	19.9%	27.8%	39.2%	40.0%	40.1%
1 to 7	30.0%	29.2%	27.6%	38.3%	32.7%	27.6%	26.5%	38.6%	34.6%	32.4%	28.7%	27.6%
8 to 14	15.1%	14.3%	19.7%	14.2%	17.6%	12.4%	15.2%	21.8%	16.7%	12.5%	14.3%	10.5%
15 to 44	17.4%	16.9%	21.0%	14.8%	15.6%	16.8%	17.0%	17.0%	19.3%	11.6%	13.0%	16.5%
45 to 89	4.1%	4.8%	3.1%	3.7%	3.5%	5.2%	4.0%	1.6%	1.3%	2.0%	3.4%	3.9%
90 to 179	1.3%	1.1%	0.7%	0.6%	1.6%	0.7%	0.7%	1.1%	0.3%	1.8%	0.2%	1.1%
180 to 359	0.4%	0.7%	0.0%	0.0%	0.7%	0.1%	0.2%	0.0%	0.0%	0.4%	0.4%	0.4%
360+	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. w/ a 100+ day non-psych hosp.stay, %	0.9%	0.9%	0.0%	0.0%	1.9%	0.4%	0.3%	0.2%	0.3%	1.8%	0.6%	1.1%
Cumul. DOS, pts w/ a 100+ day hosp. stay, mean	183.74	199.40	0.00	0.00	162.50	150.40	208.50	161.00	166.00	188.89	246.00	196.33
SD	69.74	79.92	0.00	0.00	47.33	33.43	130.81	0.00	0.00	79.08	73.98	80.45
Hosp. Pts. w/ a 150+ day non-psych hosp.stay, %	0.5%	0.4%	0.0%	0.0%	1.1%	0.2%	0.2%	0.2%	0.3%	1.0%	0.4%	0.5%
Cumul. DOS, pts w/ a 150+ day hosp. stay, mean	221.52	271.50	0.00	0.00	194.13	171.00	301.00	161.00	166.00	234.00	287.50	253.67
SD	64.88	36.06	0.00	0.00	37.23	20.07	0.00	0.00	0.00	79.71	24.75	77.57
Other VISN cumulative DOS, mean	0.40	0.04	0.20	0.17	2.64	0.11	0.20	0.69	0.11	0.57	0.34	0.18
SD	3.66	0.47	1.61	1.55	6.73	1.34	2.23	7.95	0.68	4.33	5.01	1.98
Other station cumulative DOS, mean	0.87	0.65	0.81	0.17	2.72	0.38	0.32	1.20	0.62	1.16	1.48	0.49
SD	4.88	3.29	3.69	1.55	6.89	2.40	2.77	8.45	2.57	5.23	7.38	3.05

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Other Psychoses	32380	1360	713	1199	1287	909	1574	1900	3060	1731	1129	987
<u>Hospital based utilization: Psychiatric</u> ( psych- for those with some hosp.based util.)												
Pts. with psych hospital stays, %	14.8%	13.2%	11.5%	11.8%	12.6%	16.7%	16.2%	16.6%	9.2%	16.0%	18.2%	16.6%
Inpatient stays, mean	0.65	0.69	0.55	0.66	0.53	0.74	0.77	0.76	0.52	0.64	0.71	0.59
SD	1.12	1.15	1.20	1.17	0.93	1.41	1.28	1.15	1.08	1.26	1.08	0.91
Average LOS, mean	13.89	16.13	14.37	19.07	13.05	17.37	12.99	15.15	8.20	11.04	13.25	17.31
SD	24.08	32.37	24.66	32.94	16.53	41.20	25.02	29.49	9.04	23.36	21.56	32.66
Cumulative Days of Stay, mean	8.33	9.86	7.34	12.30	6.38	11.07	9.01	10.60	4.10	6.46	8.19	9.19
SD	22.85	30.15	26.29	32.92	14.94	36.70	22.83	30.42	11.05	19.17	18.07	24.83
Cumulative Days of Stay, %												
0	59.1%	58.4%	68.2%	60.3%	64.4%	59.7%	56.3%	54.4%	68.1%	61.8%	53.2%	59.0%
1 to 7	14.5%	12.0%	11.2%	11.5%	10.3%	16.2%	13.6%	13.9%	16.5%	16.4%	16.6%	16.3%
8 to 14	10.5%	14.5%	7.0%	8.5%	13.4%	8.8%	12.3%	12.6%	7.9%	8.3%	13.2%	8.0%
15 to 44	12.0%	10.9%	10.1%	13.2%	8.1%	10.1%	13.9%	14.7%	5.9%	11.3%	13.9%	11.5%
45 to 89	2.8%	1.6%	2.7%	2.8%	3.1%	2.9%	3.3%	3.0%	1.4%	1.2%	2.3%	3.3%
90 to 179	0.8%	1.8%	0.4%	2.8%	0.7%	1.1%	0.3%	0.9%	0.2%	0.8%	0.7%	1.5%
180 to 359	0.3%	0.7%	0.4%	0.8%	0.0%	1.3%	0.2%	0.1%	0.0%	0.0%	0.2%	0.5%
360+	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.4%	0.0%	0.1%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day psych hosp.stay, %	0.6%	1.6%	0.8%	1.4%	0.2%	1.6%	0.3%	0.9%	0.1%	0.1%	0.7%	1.5%
Cumul. DOS, pts with a 100+ day hosp. stay, mean	202.42	196.29	238.50	207.40	142.00	240.67	278.00	277.83	146.00	364.00	160.00	165.00
SD	85.19	91.21	169.00	66.92	0.00	86.39	121.62	96.85	0.00	0.00	41.57	59.75
Hosp. Pts. with a 150+ day psych hosp.stay, %	0.4%	0.7%	0.4%	1.1%	0.0%	1.3%	0.3%	0.7%	0.0%	0.1%	0.2%	0.8%
Cumul. DOS, pts with a 150+ day hosp. stay, mean	254.00	280.33	358.00	223.50	0.00	259.20	278.00	283.40	0.00	364.00	208.00	211.67
SD	77.60	71.40	0.00	65.14	0.00	82.17	121.62	107.20	0.00	0.00	0.00	45.50
Other VISN cumulative DOS, mean	0.35	0.13	0.36	0.13	0.11	0.32	0.14	0.67	0.17	0.37	0.35	0.18
SD	3.41	1.38	3.22	1.38	1.33	2.79	1.03	6.25	2.70	3.12	3.75	1.65
Other station cumulative DOS, mean	0.84	0.79	0.36	0.93	0.79	1.41	0.80	1.27	0.29	0.56	1.10	0.62
SD	5.08	5.80	3.22	6.12	3.43	7.54	3.59	6.97	3.00	3.88	5.46	3.07

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Other Psychoses	32380	1270	736	356	1889	3432	1657	1586	782	1351	1619	1853
<u>Hospital based utilization: Psychiatric</u> ( psych- for those with some hosp.based util.)												
Pts. with psych hospital stays, %	14.8%	19.3%	13.9%	18.3%	14.3%	16.1%	17.0%	10.2%	15.2%	18.4%	16.1%	15.3%
Inpatient stays, mean	0.65	0.79	0.54	0.55	0.55	0.65	0.77	0.39	0.56	0.70	0.89	0.70
SD	1.12	1.35	0.95	0.86	0.93	1.03	1.25	0.81	0.88	0.93	1.52	1.04
Average LOS, mean	13.89	15.42	9.11	11.71	9.64	14.17	25.47	9.42	16.37	9.73	12.72	13.84
SD	24.08	21.71	9.70	9.61	10.64	15.24	47.01	8.21	22.99	10.08	15.20	16.56
Cumulative Days of Stay, mean	8.33	10.58	4.84	6.50	5.15	9.22	15.40	3.59	9.31	6.75	9.89	9.20
SD	22.85	25.29	11.46	12.96	12.03	20.28	39.40	9.79	26.06	14.93	20.08	18.29
Cumulative Days of Stay, %												
0	59.1%	56.9%	64.8%	59.9%	63.4%	54.9%	53.5%	74.4%	61.1%	51.4%	51.4%	50.1%
1 to 7	14.5%	11.3%	18.6%	12.3%	16.1%	15.9%	10.7%	10.7%	10.5%	16.5%	17.1%	17.9%
8 to 14	10.5%	10.9%	6.6%	13.6%	9.1%	10.9%	11.7%	7.1%	11.1%	17.6%	9.3%	9.5%
15 to 44	12.0%	15.8%	7.6%	10.5%	9.4%	12.4%	15.3%	6.5%	13.1%	13.3%	16.8%	18.6%
45 to 89	2.8%	3.5%	2.4%	3.7%	1.8%	5.0%	4.9%	1.1%	2.9%	0.8%	4.1%	3.0%
90 to 179	0.8%	1.2%	0.0%	0.0%	0.3%	0.7%	2.5%	0.2%	0.3%	0.2%	1.1%	0.9%
180 to 359	0.3%	0.4%	0.0%	0.0%	0.0%	0.2%	0.8%	0.0%	1.0%	0.2%	0.2%	0.0%
360+	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hosp. Pts. with a 100+ day psych hosp.stay, %	0.6%	0.9%	0.0%	0.0%	0.0%	0.3%	3.1%	0.0%	0.7%	0.4%	0.4%	0.4%
Cumul. DOS, pts w/ a 100+ day hosp. stay, mean	202.42	199.80	0.00	0.00	0.00	179.75	191.05	0.00	232.00	179.50	122.00	146.00
SD	85.19	74.04	0.00	0.00	0.00	76.34	88.63	0.00	66.47	96.87	11.31	46.67
Hosp. Pts. with a 150+ day psych hosp.stay, %	0.4%	0.7%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	0.7%	0.2%	0.0%	0.2%
Cumul. DOS, pts w/ a 150+ day hosp. stay, mean	254.00	214.00	0.00	0.00	0.00	0.00	261.33	0.00	232.00	248.00	0.00	179.00
SD	77.60	77.23	0.00	0.00	0.00	0.00	82.49	0.00	66.47	0.00	0.00	0.00
Other VISN cumulative DOS, mean	0.35	0.17	0.24	0.73	1.40	0.22	0.16	0.37	0.76	0.39	0.10	0.35
SD	3.41	1.82	2.20	5.53	7.51	1.91	1.38	3.48	4.69	2.31	0.73	3.28
Other station cumulative DOS, mean	0.84	1.53	0.53	0.73	1.48	0.59	0.62	0.73	1.06	0.88	1.08	0.63
SD	5.08	6.59	3.34	5.53	7.58	3.29	4.27	4.28	7.21	3.72	6.56	4.29

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN (cointinued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Other Psychoses	32380	1360	713	1199	1287	909	1574	1900	3060	1731	1129	987
<b>Other 24 hour institutional care</b>												
Patients w/ some other 24 hour institutional care, %	12.4%	8.2%	24.0%	7.4%	22.8%	19.6%	11.1%	7.8%	8.7%	10.2%	16.6%	10.5%
<u>Residential Rehabilitation</u>												
(reported for those with some res rehab care)												
Patients with some residential rehab. care, %	1.2%	0.3%	3.9%	0.4%	1.2%	1.8%	1.3%	0.1%	1.0%	0.8%	2.5%	2.1%
Number stays, mean	1.13	1.00	1.32	1.20	1.00	1.13	1.10	1.00	1.10	1.07	1.11	1.33
SD	0.38	0.00	0.55	0.45	0.00	0.34	0.30	0.00	0.31	0.27	0.42	0.48
Average LOS, mean	28.50	107.00	23.03	151.40	17.00	31.88	26.71	7.00	38.95	15.64	13.98	26.26
SD	30.74	113.06	17.29	122.47	8.14	29.68	10.64	0.00	21.06	9.18	5.02	16.46
Cumulative DOS, mean	32.03	107.00	29.29	165.80	17.00	34.31	30.14	7.00	42.37	16.14	15.36	37.62
SD	33.99	113.06	27.62	114.79	8.14	29.43	17.35	0.00	23.59	8.86	7.03	31.92
Cumulative Days of Stay, %												
1 to 7	11.1%	25.0%	10.7%	0.0%	12.5%	6.3%	4.8%	100.0%	0.0%	7.1%	7.1%	14.3%
8 to 14	17.4%	0.0%	25.0%	0.0%	25.0%	31.3%	9.5%	0.0%	6.7%	71.4%	46.4%	4.8%
15 to 44	54.4%	0.0%	50.0%	20.0%	62.5%	25.0%	71.4%	0.0%	60.0%	21.4%	46.4%	52.4%
45 to 89	12.2%	25.0%	10.7%	0.0%	0.0%	31.3%	14.3%	0.0%	30.0%	0.0%	0.0%	19.0%
90 to 179	4.1%	25.0%	3.6%	60.0%	0.0%	6.3%	0.0%	0.0%	3.3%	0.0%	0.0%	9.5%
180 to 359	0.8%	25.0%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
360+	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Res Rehab pts with 100+ day Res Rehab stay, %	3.1%	50.0%	3.6%	60.0%	0.0%	6.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Cumu. DOS, pts w/ 100+ day Res Rehab stay, mean	166.33	188.00	146.00	214.00	0.00	118.00	0.00	0.00	0.00	0.00	0.00	0.00
SD	72.31	104.65	0.00	122.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Res Rehab pts with 150+ day Res Rehab stay, %	1.3%	25.0%	0.0%	40.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Cumu. DOS, pts w/ 150+ day Res Rehab stay, mean	221.80	262.00	0.00	256.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SD	86.51	0.00	0.00	140.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other VISN cumulative DOS, mean	1.11	0.00	0.00	8.60	0.06	0.56	0.00	7.00	0.00	6.07	0.68	0.00
SD	6.12	0.00	0.00	19.23	0.25	2.25	0.00	0.00	0.00	12.80	3.59	0.00
Other station cumulative DOS, mean	4.53	12.50	0.00	37.40	9.13	5.25	5.62	7.00	1.47	6.07	2.04	2.29
SD	12.97	25.00	0.00	62.43	10.07	9.46	14.27	0.00	8.03	12.80	5.20	6.61

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN (cointinued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Other Psychoses	32380	1270	736	356	1889	3432	1657	1586	782	1351	1619	1853
<b>Other 24 hour institutional care</b>												
Pts w/ some other 24 hour institutional care, %	12.4%	16.5%	21.1%	16.9%	11.1%	8.4%	12.8%	17.3%	11.3%	15.6%	13.0%	10.7%
<u>Residential Rehabilitation</u>												
(reported for those with some res rehab care)												
Patients with some residential rehab. care, %	1.2%	3.5%	2.0%	0.0%	0.2%	1.3%	1.4%	0.4%	1.0%	1.0%	2.7%	0.1%
Number stays, mean	1.13	1.16	1.07	0.00	1.33	1.07	1.09	1.33	1.00	1.14	1.14	1.00
SD	0.38	0.47	0.26	0.00	0.58	0.33	0.29	0.82	0.00	0.36	0.35	0.00
Average LOS, mean	28.50	31.79	28.97	0.00	29.33	24.08	29.00	24.61	35.25	30.21	21.90	16.00
SD	30.74	26.08	27.39	0.00	18.15	12.44	35.23	8.65	23.82	33.91	13.07	0.00
Cumulative DOS, mean	32.03	36.82	31.20	0.00	46.00	25.32	30.61	35.17	35.25	33.21	24.49	16.00
SD	33.99	33.97	29.10	0.00	46.86	13.41	35.18	30.37	23.82	34.32	15.62	0.00
Cumulative Days of Stay, %												
1 to 7	11.1%	15.6%	26.7%	0.0%	0.0%	13.6%	13.0%	0.0%	12.5%	7.1%	14.0%	0.0%
8 to 14	17.4%	6.7%	20.0%	0.0%	0.0%	13.6%	4.3%	16.7%	12.5%	7.1%	16.3%	0.0%
15 to 44	54.4%	53.3%	20.0%	0.0%	66.7%	70.5%	73.9%	66.7%	50.0%	71.4%	58.1%	100.0%
45 to 89	12.2%	17.8%	33.3%	0.0%	0.0%	2.3%	0.0%	0.0%	25.0%	7.1%	11.6%	0.0%
90 to 179	4.1%	4.4%	0.0%	0.0%	33.3%	0.0%	8.7%	16.7%	0.0%	7.1%	0.0%	0.0%
180 to 359	0.8%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
360+	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Res Rehab pts with 100+ day Res Rehab stay, %	3.1%	4.4%	0.0%	0.0%	0.0%	0.0%	8.7%	0.0%	0.0%	7.1%	0.0%	0.0%
Cumul. DOS, pts w/ 100+ day C.C. stay, mean	166.33	147.00	0.00	0.00	0.00	0.00	137.50	0.00	0.00	145.00	0.00	0.00
SD	72.31	50.91	0.00	0.00	0.00	0.00	20.51	0.00	0.00	0.00	0.00	0.00
Res Rehab pts w/ 150+ day Res Rehab stay, %	1.3%	2.2%	0.0%	0.0%	0.0%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Cumul. DOS, pts w/ 150+ day C.C. stay, mean	221.80	183.00	0.00	0.00	0.00	0.00	152.00	0.00	0.00	0.00	0.00	0.00
SD	86.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other VISN cumulative DOS, mean	1.11	0.00	4.47	0.00	10.33	0.68	1.65	5.33	4.00	0.00	0.77	0.00
SD	6.12	0.00	17.30	0.00	11.06	2.52	7.92	13.06	11.31	0.00	5.03	0.00
Other station cumulative DOS, mean	4.53	8.60	4.73	0.00	10.33	1.86	2.78	5.33	16.38	4.43	1.42	0.00
SD	12.97	15.49	17.24	0.00	11.06	5.32	8.87	13.06	19.68	11.28	6.16	0.00

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Other Psychoses	32380	1360	713	1199	1287	909	1574	1900	3060	1731	1129	987
<u>Domiciliary and Vocational</u>												
(reported for those with some dom/voc care)												
Patients with some dom/voc care, %	2.3%	1.0%	2.9%	3.6%	3.8%	5.1%	2.1%	1.9%	0.4%	0.9%	5.1%	0.1%
Number stays, mean	1.16	1.15	1.52	1.35	1.12	1.09	1.09	1.14	1.00	1.56	1.19	1.00
SD	0.43	0.38	0.60	0.65	0.33	0.28	0.29	0.42	0.00	1.03	0.48	0.00
Average LOS, mean	71.94	93.96	74.77	44.86	43.33	82.17	49.52	46.49	79.08	72.67	34.43	50.00
SD	77.18	84.00	60.28	52.35	47.56	79.82	70.70	62.40	74.80	52.05	25.41	0.00
Cumulative DOS, mean	80.56	102.38	108.10	61.95	49.29	87.13	52.79	49.39	79.08	116.31	40.59	50.00
SD	83.26	82.94	73.37	74.36	51.94	83.15	72.03	61.98	74.80	101.34	32.53	0.00
Cumulative Days of Stay, %												
1 to 7	6.9%	15.4%	9.5%	18.6%	2.0%	6.5%	21.2%	5.6%	16.7%	0.0%	3.4%	0.0%
8 to 14	6.7%	7.7%	4.8%	2.3%	8.2%	6.5%	12.1%	19.4%	25.0%	6.3%	6.9%	0.0%
15 to 44	35.3%	7.7%	14.3%	39.5%	61.2%	23.9%	33.3%	30.6%	8.3%	31.3%	60.3%	0.0%
45 to 89	18.8%	23.1%	14.3%	18.6%	8.2%	28.3%	12.1%	33.3%	0.0%	12.5%	20.7%	100.0%
90 to 179	20.7%	23.1%	38.1%	11.6%	16.3%	21.7%	18.2%	8.3%	41.7%	25.0%	8.6%	0.0%
180 to 359	8.7%	23.1%	19.0%	9.3%	4.1%	10.9%	0.0%	0.0%	8.3%	25.0%	0.0%	0.0%
360+	2.8%	0.0%	0.0%	0.0%	0.0%	2.2%	3.0%	2.8%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Dom. patients with 100+ day Dom. stay, %	28.6%	46.2%	52.4%	20.9%	14.3%	30.4%	18.2%	8.3%	50.0%	50.0%	6.9%	0.0%
Cumul. DOS, pts with a 100+ day Dom. stay, mean	188.20	178.17	165.64	183.00	152.86	185.86	172.00	193.67	147.67	197.50	127.75	0.00
SD	78.74	49.14	43.57	77.41	39.83	82.44	96.20	147.51	31.30	79.32	34.64	0.00
Dom. patients with 150+ day Dom. stay, %	14.8%	30.8%	19.0%	7.0%	6.1%	17.4%	6.1%	2.8%	16.7%	12.5%	0.0%	0.0%
Cumul. DOS, pts with a 150+ day Dom. stay, mean	239.75	205.50	191.00	255.33	188.33	233.13	267.00	364.00	183.50	306.00	0.00	0.00
SD	74.14	29.24	35.83	33.25	30.89	80.71	137.18	0.00	26.16	45.25	0.00	0.00
Other VISN cumulative DOS, mean	3.80	0.00	7.29	9.42	1.22	3.26	1.39	1.31	0.00	2.81	1.17	50.00
SD	20.40	0.00	18.63	28.10	8.43	9.95	4.26	5.68	0.00	9.77	5.99	0.00
Other station cumulative DOS, mean	5.72	0.00	7.29	12.44	7.39	7.02	1.39	1.50	1.17	2.81	3.90	50.00
SD	21.80	0.00	18.63	28.19	12.14	15.73	4.26	5.75	4.04	9.77	10.88	0.00

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Other Psychoses	32380	1270	736	356	1889	3432	1657	1586	782	1351	1619	1853
<u>Domiciliary and Vocational</u>												
(reported for those with some dom/voc care)												
Patients with some dom/voc care, %	2.3%	3.7%	5.4%	5.3%	0.8%	1.3%	3.3%	2.0%	0.1%	7.3%	1.4%	2.3%
Number stays, mean	1.16	1.04	1.25	1.16	1.38	1.16	1.07	1.06	1.00	1.11	1.18	1.02
SD	0.43	0.20	0.54	0.50	0.50	0.43	0.26	0.25	0.00	0.37	0.39	0.15
Average LOS, mean	71.94	106.28	62.35	38.43	71.94	53.14	111.21	76.58	14.00	107.35	56.73	79.00
SD	77.18	99.75	63.24	26.40	53.76	58.13	110.65	53.34	0.00	100.03	51.54	70.30
Cumulative DOS, mean	80.56	106.66	74.45	46.68	103.25	59.77	115.89	84.90	14.00	116.81	61.95	80.67
SD	83.26	99.38	70.29	42.02	89.15	61.27	114.59	69.24	0.00	104.98	51.60	70.98
Cumulative Days of Stay, %												
1 to 7	6.9%	4.3%	5.0%	10.5%	0.0%	11.6%	0.0%	0.0%	0.0%	4.0%	13.6%	9.3%
8 to 14	6.7%	10.6%	7.5%	5.3%	6.3%	4.7%	5.5%	3.2%	100.0%	4.0%	0.0%	0.0%
15 to 44	35.3%	23.4%	30.0%	57.9%	18.8%	51.2%	25.5%	41.9%	0.0%	30.3%	27.3%	37.2%
45 to 89	18.8%	12.8%	25.0%	10.5%	25.0%	7.0%	30.9%	9.7%	0.0%	18.2%	36.4%	16.3%
90 to 179	20.7%	29.8%	27.5%	15.8%	37.5%	20.9%	16.4%	35.5%	0.0%	19.2%	18.2%	25.6%
180 to 359	8.7%	14.9%	2.5%	0.0%	6.3%	4.7%	9.1%	9.7%	0.0%	17.2%	4.5%	11.6%
360+	2.8%	4.3%	2.5%	0.0%	6.3%	0.0%	12.7%	0.0%	0.0%	7.1%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Dom. patients with 100+ day Dom. stay, %	28.6%	46.8%	20.0%	10.5%	37.5%	23.3%	38.2%	38.7%	0.0%	42.4%	13.6%	30.2%
Cumul. DOS, pts w/ 100+ day Dom. stay, mean	188.20	192.95	177.63	140.00	187.33	156.50	230.71	155.00	0.00	217.40	165.67	178.31
SD	78.74	79.84	87.52	49.50	92.82	47.40	110.54	57.65	0.00	85.14	38.37	32.93
Dom. patients with 150+ day Dom. stay, %	14.8%	27.7%	7.5%	5.3%	12.5%	7.0%	23.6%	9.7%	0.0%	31.3%	9.1%	23.3%
Cumul. DOS, pts w/ 150+ day Dom. stay, mean	239.75	238.69	260.67	175.00	285.00	215.67	300.69	219.67	0.00	245.74	180.50	188.90
SD	74.14	74.11	95.38	0.00	113.14	44.38	79.34	47.59	0.00	77.62	40.31	30.04
Other VISN cumulative DOS, mean	3.80	0.11	0.10	0.00	67.50	1.51	1.76	2.23	14.00	2.51	8.14	0.93
SD	20.40	0.73	0.63	0.00	96.25	9.02	9.19	8.69	0.00	15.56	19.95	6.10
Other station cumulative DOS, mean	5.72	3.19	0.25	0.00	67.50	3.05	5.31	3.81	14.00	4.20	8.14	1.28
SD	21.80	16.08	1.13	0.00	96.25	11.10	15.07	12.07	0.00	17.63	19.95	6.46

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Other Psychoses	32380	1360	713	1199	1287	909	1574	1900	3060	1731	1129	987
<u>Nursing Home Care</u>												
(reported for those with some nursing home care)												
Patients with some nursing home care, %	9.2%	7.1%	18.1%	3.5%	18.0%	13.9%	8.0%	5.8%	7.4%	8.6%	9.8%	8.3%
Number stays, mean	1.32	1.42	1.45	1.21	1.31	1.21	1.17	1.16	1.29	1.29	1.30	1.17
SD	0.69	0.75	0.77	0.47	0.64	0.48	0.41	0.42	0.57	0.71	0.68	0.41
Average LOS, mean	56.09	76.65	54.50	65.90	72.46	46.54	56.57	77.32	64.12	38.07	74.40	75.72
SD	71.76	103.07	79.60	81.56	84.75	56.81	72.60	85.97	83.70	34.32	87.02	95.70
Cumulative DOS, mean	67.41	93.93	68.89	80.62	83.15	55.52	65.63	88.80	77.13	45.55	83.63	81.99
SD	80.65	114.67	88.17	97.04	89.57	69.02	84.79	98.76	91.88	44.82	91.58	96.53
Cumulative Days of Stay, %												
1 to 7	9.4%	12.5%	10.1%	16.7%	7.8%	7.9%	11.1%	8.1%	12.0%	7.4%	9.9%	13.4%
8 to 14	14.3%	8.3%	10.9%	9.5%	12.1%	18.3%	21.4%	20.7%	13.8%	16.1%	10.8%	12.2%
15 to 44	33.3%	31.3%	41.1%	21.4%	28.0%	42.1%	29.4%	13.5%	27.6%	42.3%	30.6%	25.6%
45 to 89	20.3%	18.8%	16.3%	23.8%	19.8%	14.3%	15.1%	26.1%	17.8%	23.5%	13.5%	19.5%
90 to 179	13.0%	10.4%	10.1%	16.7%	19.8%	11.1%	11.9%	14.4%	15.6%	8.7%	20.7%	13.4%
180 to 359	7.8%	10.4%	9.3%	7.1%	9.9%	5.6%	10.3%	15.3%	9.8%	1.3%	11.7%	12.2%
360+	2.0%	8.3%	2.3%	4.8%	2.6%	0.8%	0.8%	1.8%	3.6%	0.7%	2.7%	3.7%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
NH patients with 100+ day NH stay, %	17.4%	22.9%	17.8%	21.4%	28.0%	14.3%	18.3%	27.0%	18.7%	5.4%	29.7%	24.4%
Cumul. DOS, pts with a 100+ day NH stay, mean	212.68	279.86	232.70	229.33	199.68	190.83	217.87	227.07	242.17	182.25	200.27	223.40
SD	86.51	94.26	87.42	107.43	84.31	91.18	88.01	86.31	83.08	81.15	81.90	93.59
NH patients with 150+ day NH stay, %	10.5%	16.7%	11.6%	9.5%	15.9%	7.1%	13.5%	20.7%	14.2%	2.7%	15.3%	18.3%
Cumul. DOS, pts with a 150+ day NH stay, mean	261.44	327.13	285.07	313.50	246.73	266.22	247.59	254.13	270.16	228.50	260.76	263.20
SD	74.39	49.24	57.92	97.70	77.17	68.07	81.35	77.40	72.90	91.34	67.48	71.37
Other VISN cumulative DOS, mean	2.96	0.00	0.10	0.00	0.00	0.48	0.00	0.42	0.31	0.00	0.23	0.00
SD	19.80	0.00	1.14	0.00	0.00	3.91	0.00	4.37	3.13	0.00	1.82	0.00
Other station cumulative DOS, mean	3.46	0.00	0.10	0.14	0.54	2.73	0.11	0.42	0.61	0.00	1.88	0.22
SD	20.46	0.00	1.14	0.93	3.61	20.43	1.25	4.37	4.65	0.00	8.51	1.99

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Other Psychoses	32380	1270	736	356	1889	3432	1657	1586	782	1351	1619	1853
<u>Nursing Home Care</u>												
(reported for those with some nursing home care)												
Patients with some nursing home care, %	9.2%	10.1%	14.3%	12.4%	10.2%	5.9%	8.9%	15.3%	10.1%	7.5%	9.3%	8.6%
Number stays, mean	1.32	1.30	1.37	1.18	1.41	1.41	1.21	1.29	1.16	1.31	1.63	1.35
SD	0.69	0.57	0.65	0.45	0.73	0.87	0.51	0.61	0.49	0.58	1.42	0.60
Average LOS, mean	56.09	51.94	34.20	72.22	38.29	44.39	64.00	37.20	80.05	35.38	69.48	53.56
SD	71.76	67.50	39.31	66.90	36.97	59.57	68.39	47.30	82.76	40.06	93.09	62.19
Cumulative DOS, mean	67.41	60.55	47.65	86.00	52.09	53.19	75.14	45.23	86.72	45.59	88.06	69.13
SD	80.65	71.62	58.44	86.30	56.18	62.70	78.95	52.85	87.70	51.84	104.84	74.87
Cumulative Days of Stay, %												
1 to 7	9.4%	9.4%	13.3%	4.5%	9.4%	8.9%	8.8%	8.2%	7.6%	7.8%	9.3%	6.9%
8 to 14	14.3%	14.1%	15.2%	13.6%	14.6%	18.3%	10.9%	17.3%	8.9%	19.6%	12.7%	7.5%
15 to 44	33.3%	29.7%	41.9%	22.7%	35.9%	35.1%	30.6%	44.0%	30.4%	44.1%	29.3%	32.7%
45 to 89	20.3%	31.3%	15.2%	22.7%	21.9%	21.3%	19.0%	19.3%	20.3%	13.7%	20.7%	32.7%
90 to 179	13.0%	7.8%	9.5%	25.0%	13.5%	10.9%	19.7%	7.4%	16.5%	11.8%	11.3%	10.7%
180 to 359	7.8%	5.5%	3.8%	11.4%	4.7%	5.0%	9.5%	3.3%	13.9%	2.9%	10.7%	7.5%
360+	2.0%	2.3%	1.0%	0.0%	0.0%	0.5%	1.4%	0.4%	2.5%	0.0%	6.0%	1.9%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
NH patients with 100+ day NH stay, %	17.4%	12.5%	9.5%	29.5%	8.9%	9.9%	25.2%	7.8%	31.6%	8.8%	26.0%	13.8%
Cumul. DOS, pts with a 100+ day NH stay, mean	212.68	214.56	193.40	191.54	189.35	201.25	183.84	189.68	198.60	172.00	233.49	225.05
SD	86.51	92.91	72.65	85.62	72.39	83.56	79.28	73.32	69.38	63.20	96.62	83.38
NH patients with 150+ day NH stay, %	10.5%	8.6%	3.8%	15.9%	4.2%	5.4%	11.6%	3.7%	19.0%	3.9%	16.0%	9.4%
Cumul. DOS, pts with a 150+ day NH stay, mean	261.44	257.45	246.25	250.86	233.63	265.00	249.24	230.11	238.80	227.25	281.63	259.67
SD	74.39	79.81	87.01	74.14	70.91	56.34	72.03	82.24	61.67	54.40	89.10	75.23
Other VISN cumulative DOS, mean	2.96	0.00	0.00	0.36	27.07	0.25	0.17	0.00	39.89	1.03	0.07	0.33
SD	19.80	0.00	0.00	2.41	49.76	2.59	2.06	0.00	75.20	5.41	0.74	3.42
Other station cumulative DOS, mean	3.46	0.80	2.19	0.36	26.09	0.40	0.17	0.72	40.33	1.56	1.71	0.91
SD	20.46	4.93	15.47	2.41	47.91	3.29	2.06	5.89	75.06	6.30	12.16	6.08

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN (continued)**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Other Psychoses	32380	1360	713	1199	1287	909	1574	1900	3060	1731	1129	987
<b><u>Outpatient utilization</u></b>												
(reported for those with some outpatient care)												
Patients with some outpatient care, %	99.5%	99.4%	98.5%	99.8%	98.5%	99.2%	99.4%	99.6%	99.6%	99.8%	99.5%	99.3%
annual visit days, mean	21.31	27.59	30.37	24.62	17.84	23.28	16.93	19.24	19.35	16.10	22.80	18.49
SD	27.85	37.15	35.03	34.67	25.58	29.38	20.22	21.62	22.34	15.77	30.80	22.58
Outpatient visit days, %												
1-12	46.5%	39.1%	33.8%	47.0%	53.4%	42.9%	52.1%	49.0%	45.1%	50.5%	43.6%	52.7%
13-24	27.5%	25.3%	25.5%	24.1%	26.3%	26.7%	29.4%	26.5%	31.5%	30.9%	27.5%	24.9%
25-36	12.1%	15.2%	14.7%	11.9%	9.9%	13.5%	10.4%	12.2%	12.5%	11.9%	13.3%	10.0%
37-48	5.5%	7.3%	10.7%	4.8%	5.4%	6.8%	3.7%	5.5%	5.1%	3.0%	6.2%	6.2%
49+	8.3%	13.1%	15.4%	12.1%	5.0%	10.1%	4.4%	6.8%	5.8%	3.7%	9.3%	6.2%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% of Outpatients who had some Primary Care (PC)	79.7%	77.1%	79.3%	77.1%	77.4%	77.4%	80.8%	81.1%	87.3%	81.4%	79.4%	80.0%
Mean PC visit days, among those with some PC	3.93	3.98	4.23	3.25	3.68	4.97	4.00	4.07	4.21	3.48	4.11	3.42
SD	3.39	3.59	3.73	3.03	3.07	4.64	3.52	3.12	3.18	2.77	3.74	2.72
Average number clinic stops per visit day, mean	1.58	1.47	1.52	1.48	1.54	1.63	1.67	1.59	1.54	1.70	1.48	1.58
SD	0.55	0.50	0.46	0.44	0.51	0.48	0.57	0.48	0.51	0.59	0.47	0.50
annual clinic stops (psych & non-psych), mean	33.75	41.03	46.18	37.25	26.60	39.11	28.38	31.33	29.77	26.51	35.29	29.59
SD	47.09	59.82	59.37	59.86	35.68	53.35	35.65	40.85	36.64	26.60	48.91	36.90
annual non-psych. clinic stops, mean	23.10	24.59	29.31	23.92	19.53	28.13	22.29	21.97	23.57	22.37	21.27	20.81
SD	26.61	28.92	30.35	28.42	22.19	28.93	24.07	23.46	26.65	22.04	25.95	25.65
annual psych. clinic stops ( groupings below), mean	10.65	16.44	16.86	13.33	7.06	10.99	6.08	9.37	6.20	4.14	14.02	8.78
SD	34.34	47.96	48.91	43.25	25.90	37.23	23.11	27.37	20.78	12.92	38.54	23.35
1. general psych. clinic stops, mean	4.11	6.04	5.25	3.64	3.19	3.44	2.91	4.04	3.35	2.78	4.66	3.36
SD	9.72	14.33	9.63	7.26	5.90	10.35	6.43	8.34	6.46	4.97	7.50	8.65
2. psych. case management clinic stops, mean	0.20	1.51	0.96	0.33	0.01	0.03	0.06	0.24	0.05	0.00	0.19	0.08
SD	4.52	14.16	8.01	4.28	0.28	0.83	0.91	5.15	1.70	0.04	3.25	1.25
3. psych. day treatment clinic stops, mean	1.00	3.54	3.78	1.07	0.16	0.14	0.53	1.01	0.50	0.31	0.79	1.56
SD	12.62	22.72	31.16	11.75	4.78	1.99	14.75	13.66	7.06	9.59	8.30	10.42

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Other Psychoses	32380	1270	736	356	1889	3432	1657	1586	782	1351	1619	1853
<b><u>Outpatient utilization</u></b>												
(reported for those with some outpatient care)												
Patients with some outpatient care, %	99.5%	99.6%	99.7%	99.4%	99.5%	99.7%	99.4%	99.5%	99.4%	99.4%	98.9%	99.8%
annual visit days, mean	21.31	31.61	23.61	20.25	19.36	17.46	19.46	20.69	20.20	24.98	26.83	23.61
SD	27.85	48.15	30.11	22.47	24.89	22.06	23.58	19.20	22.42	27.76	38.66	30.56
Outpatient visit days, %												
1-12	46.5%	41.6%	44.7%	45.5%	50.6%	53.2%	49.5%	40.1%	47.9%	38.6%	42.4%	42.9%
13-24	27.5%	25.4%	27.7%	28.8%	26.6%	27.5%	26.6%	29.5%	23.9%	26.8%	25.7%	28.7%
25-36	12.1%	11.8%	9.1%	12.1%	10.8%	9.7%	11.4%	16.5%	14.9%	14.5%	13.2%	11.4%
37-48	5.5%	5.8%	6.4%	6.2%	4.4%	4.0%	5.3%	7.0%	5.5%	8.2%	5.9%	6.4%
49+	8.3%	15.4%	12.1%	7.3%	7.7%	5.6%	7.2%	7.0%	7.7%	11.9%	12.9%	10.5%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Pts. with some OP primary care, %	79.7%	77.5%	70.6%	79.1%	82.0%	77.7%	77.8%	84.3%	78.1%	73.8%	77.0%	80.6%
OP visit days with primary care clinic stops, mean	3.93	4.22	3.37	3.79	3.50	3.10	3.99	4.55	4.12	4.37	4.19	4.56
SD	3.39	3.63	2.64	2.57	3.53	2.36	3.29	3.47	3.79	4.21	3.67	4.02
Average number clinic stops per visit day, mean	1.58	1.62	1.88	1.86	1.64	1.60	1.73	1.56	1.48	1.51	1.49	1.52
SD	0.55	0.56	0.71	0.66	0.59	0.55	0.71	0.50	0.47	0.42	0.60	0.49
annual clinic stops (psych & non-psych), mean	33.75	51.93	48.40	39.34	32.49	27.17	32.18	32.27	30.36	37.23	39.41	36.09
SD	47.09	81.20	74.69	51.15	45.07	34.23	40.41	32.23	37.20	42.42	61.67	50.76
annual non-psych. clinic stops, mean	23.10	26.74	28.36	27.71	20.78	19.61	25.10	25.72	22.37	22.71	21.33	24.63
SD	26.61	28.16	46.88	27.35	23.48	21.75	27.19	26.16	27.57	24.80	25.49	31.60
annual psych. clinic stops (groupings below), mean	10.65	25.19	20.04	11.64	11.71	7.57	7.08	6.56	7.99	14.52	18.07	11.46
SD	34.34	70.22	52.17	37.95	33.13	22.30	23.90	17.98	21.81	30.33	51.60	34.35
1. general psych. clinic stops, mean	4.11	5.62	8.16	5.17	4.54	3.41	3.03	3.93	4.23	4.82	5.15	4.79
SD	9.72	14.17	20.34	12.91	17.05	5.75	7.94	7.26	10.03	8.24	9.19	10.21
2. psych. case management clinic stops, mean	0.20	0.47	0.09	0.30	0.01	0.05	0.08	0.04	1.11	0.19	0.09	0.01
SD	4.52	9.70	1.77	4.15	0.30	0.55	3.40	1.13	9.27	3.03	2.86	0.15
3. psych. day treatment clinic stops, mean	1.00	2.00	2.83	2.77	0.33	0.47	0.35	0.25	0.50	0.68	2.32	1.09
SD	12.62	16.16	24.13	25.39	4.54	8.84	5.61	7.63	5.99	6.89	16.82	13.98

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN (continued)**

		all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Other Psychoses		32380	1360	713	1199	1287	909	1574	1900	3060	1731	1129	987
	<i>SD</i>	<i>12.62</i>	<i>22.72</i>	<i>31.16</i>	<i>11.75</i>	<i>4.78</i>	<i>1.99</i>	<i>14.75</i>	<i>13.66</i>	<i>7.06</i>	<i>9.59</i>	<i>8.30</i>	<i>10.42</i>
4. substance abuse clinic stops, mean		3.35	2.31	2.41	5.07	3.22	5.01	0.98	1.52	1.08	0.59	6.92	2.01
	<i>SD</i>	<i>22.13</i>	<i>14.04</i>	<i>12.21</i>	<i>32.05</i>	<i>23.87</i>	<i>27.89</i>	<i>6.24</i>	<i>8.08</i>	<i>10.59</i>	<i>4.67</i>	<i>30.74</i>	<i>10.79</i>
5. psych. vocational clinic stops, mean		0.83	1.73	2.20	1.59	0.08	1.65	1.10	0.77	0.34	0.04	0.46	0.57
	<i>SD</i>	<i>9.94</i>	<i>14.93</i>	<i>20.97</i>	<i>14.95</i>	<i>1.28</i>	<i>12.82</i>	<i>11.95</i>	<i>8.05</i>	<i>6.39</i>	<i>0.50</i>	<i>5.37</i>	<i>8.01</i>
6. PTSD clinic stops, mean		0.72	0.84	1.73	0.93	0.22	0.35	0.29	1.59	0.25	0.30	0.56	0.88
	<i>SD</i>	<i>5.73</i>	<i>5.07</i>	<i>9.73</i>	<i>6.48</i>	<i>1.69</i>	<i>2.95</i>	<i>2.16</i>	<i>9.63</i>	<i>2.98</i>	<i>2.72</i>	<i>3.60</i>	<i>8.07</i>
7. psych. homeless clinic stops, mean		0.38	0.47	0.44	0.69	0.17	0.37	0.19	0.19	0.19	0.11	0.44	0.33
	<i>SD</i>	<i>3.23</i>	<i>6.59</i>	<i>3.75</i>	<i>4.91</i>	<i>1.14</i>	<i>2.19</i>	<i>1.68</i>	<i>1.73</i>	<i>1.47</i>	<i>0.92</i>	<i>2.51</i>	<i>1.78</i>
Other VISN OP visit days, mean		0.37	0.23	0.60	0.59	0.43	0.47	0.33	0.29	0.23	0.29	0.36	0.29
	<i>SD</i>	<i>2.37</i>	<i>1.41</i>	<i>3.64</i>	<i>4.64</i>	<i>2.68</i>	<i>3.03</i>	<i>2.07</i>	<i>1.89</i>	<i>1.49</i>	<i>1.88</i>	<i>2.03</i>	<i>1.73</i>
		-	-	-	-	-	-	-	-	-	-	-	-
Other station OP visit days, mean		1.28	1.19	0.60	1.15	1.41	1.30	0.86	1.04	0.46	0.44	1.36	1.16
	<i>SD</i>	<i>5.46</i>	<i>4.79</i>	<i>3.64</i>	<i>6.08</i>	<i>4.10</i>	<i>6.68</i>	<i>3.14</i>	<i>3.67</i>	<i>2.23</i>	<i>2.16</i>	<i>4.58</i>	<i>3.66</i>

**Table 3E: FY01 Patients w/ Other Psychoses, Utilization, by VISN (continued)**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Other Psychoses	32380	1270	736	356	1889	3432	1657	1586	782	1351	1619	1853
4. substance abuse clinic stops, mean	3.35	13.75	5.09	2.47	4.91	1.75	1.64	1.09	1.49	5.54	8.36	3.45
SD	22.13	58.94	21.49	15.57	18.25	14.46	10.51	6.51	9.88	20.36	41.37	22.74
5. psych. vocational clinic stops, mean	0.83	1.86	1.81	0.51	0.91	0.33	1.23	0.59	0.02	1.30	0.67	0.88
SD	9.94	16.59	13.43	7.12	11.81	3.69	11.62	8.38	0.28	10.18	9.04	9.50
6. PTSD clinic stops, mean	0.72	0.67	1.45	0.37	0.88	1.14	0.37	0.38	0.39	1.04	0.68	0.78
SD	5.73	5.64	9.41	2.30	6.45	8.16	3.03	2.66	3.31	5.02	4.82	6.11
7. psych. homeless clinic stops, mean	0.38	0.82	0.62	0.05	0.14	0.39	0.37	0.26	0.20	0.94	0.77	0.47
SD	3.23	6.96	5.01	0.28	1.32	3.32	2.54	1.73	1.46	4.09	4.74	1.80
Other VISN OP visit days, mean	0.37	0.24	0.67	0.33	0.29	0.29	0.47	0.49	0.49	0.71	0.35	0.42
SD	2.37	1.68	3.30	1.79	2.05	1.79	2.62	2.28	2.16	3.46	2.01	2.74
Other station OP visit days, mean	1.28	1.47	1.45	0.33	5.94	0.70	0.72	0.91	2.81	1.41	1.10	0.82
SD	5.46	4.58	4.72	1.79	15.03	3.01	3.34	3.09	8.24	5.02	3.71	3.60



## Chapter 4

### Pharmacy Utilization

#### Background

In this chapter, we report on pharmacy use among veterans with psychosis using VA treatment services during FY01, with a primary focus on antipsychotic medication use among patients with schizophrenia. Antipsychotic medications are an essential component of the treatment of patients with schizophrenia, with treatment guidelines recommending long-term use for patients having more than one episode of psychosis (American Psychiatric Association Work Group on Schizophrenia, 1997). This report summarizes the use of oral antipsychotics among 98,739 veterans with a schizophrenia or schizoaffective disorder (ICD-9 codes for 295.x, excluding 295.5) who had and one or more VA treatment contacts during FY01. If patients had more than one primary psychotic diagnosis noted during FY01 (e.g., a bipolar diagnosis during some treatment contacts and a schizophrenia diagnosis during other contacts) the diagnosis noted during the majority of contacts was used.

#### Percent of patients with any outpatient pharmacy fill/ and Percent receiving an oral antipsychotic fill

As would be expected from our selection criteria, (veterans with a psychotic diagnosis and treatment contact), the use of outpatient pharmacy services was very high. Fully 95% of all patients with a psychotic diagnosis and 95% of veterans with schizophrenia or schizoaffective disorder filled at least one outpatient pharmacy prescription during the year. Approximately 76% of veterans with schizophrenia filled at least one oral antipsychotic prescription during the year.

Because data from the VA Pharmacy Benefits Management group do not consistently include depot antipsychotic medications, we note that depot antipsychotics were not included in this summary. Previous work by SMITREC staff indicate that approximately 15-20% of veterans with schizophrenia receive depot antipsychotics (Valenstein, Copeland, Owen, Blow, & Visnic, 2001).

If 15-20% of veterans with schizophrenia did receive depot antipsychotics during FY01, then  $\geq 91\%$  of all veterans with schizophrenia would have received some antipsychotic medication during the year. Thus, this first step of appropriate pharmacological management, the initiation of antipsychotic medications, appears to occur almost uniformly for VA patients with schizophrenia.

#### % Receiving Atypicals

Atypical antipsychotic medications are as efficacious as older conventional agents and have a more favorable side effect profile. However, their pharmacy acquisition costs are much higher than conventional antipsychotics. Consumer advocacy and professional organizations have emphasized the importance of ensuring access to these newer antipsychotic agents.

We report the overall percentage of patients who received atypical agents in FY01 and the percentages of patients who received each of the following atypical agents: clozapine, olanzapine, risperidone, and quetiapine. Ziprasidone received FDA approval in February, 2001, and we will include ziprasidone usage in the NPR FY02 report.

The percentage of veterans with schizophrenia who are being treated with the newer antipsychotics has increased dramatically over the last 3 years. In FY01, 77% of patients with schizophrenia receiving antipsychotic medications received an atypical agent, compared to 70% in FY00, and just 59% in FY99. Among bipolar patients who received antipsychotics in FY01, and even higher percentage (86%) received atypical agents.

Olanzapine and risperidone continued to be the most frequently used antipsychotic medications, with 40% of patients with schizophrenia receiving olanzapine and 36% receiving risperidone during FY01. (See Table 4A. Because some patients were exposed to more than one atypical agent during FY01, the percentages of patients exposed to the individual agents sum to more than 77%). The use of quetiapine has been increasing over the last three years among patients with schizophrenia, with 13% of patients now being treated with this agent compared to just 3% in FY99.

Although there remains considerable variation among VISNs in the use of atypical agents, overall, there appears to be reasonable levels of access to the newer antipsychotic agents. The use of atypical agents in the VA health system is similar to the use of these agents in other settings (Hermann et al., 2002; Vanelli, Burstein, & Cramer, 2001). The recent GAO report on antipsychotic use in the VA confirmed that VA psychiatrists believe they have reasonable levels of access to these newer medications. (VA Health Care: Implementation of Prescribing Guideline for Atypical Antipsychotic Drugs Generally Sound. GAO-02-579 April 29, 2002)

#### % Receiving Clozapine

Clozapine use deserves special scrutiny, as clozapine is the only antipsychotic agent that has been proven effective in patients with refractory schizophrenia. In FY 01, just 2.9% of veterans with schizophrenia received clozapine. Although the use of clozapine among patients with schizophrenia has shown a small increase (16%) over the last 3 years (from 2.5% of patients with schizophrenia in FY99 to 2.9% of patients with schizophrenia currently), this remains a surprisingly low rate of prescription, given that 20-25% of patients with schizophrenia are refractory to treatment with other agents. Clozapine use also continues to vary considerably across VISNs (by a factor of 6). Reasons for low overall use of clozapine and the variation in use across VISNs are unclear, but this clearly is an area meriting further research.

#### % Receiving Concurrent Treatment with Two or More Antipsychotics

While undoubtedly helpful for some patients, the effectiveness of concurrently prescribing two or more antipsychotic medications for patients with schizophrenia is not yet supported by solid research evidence. Patients receiving concurrent treatment with two antipsychotic medications may benefit from closer monitoring and the clinical community may benefit from systematic reporting of the results of these treatment trials.

Because patients may receive treatment with two different antipsychotics briefly when their antipsychotic medications are being switched and cross-tapered, our measure of concurrent treatment includes only those individuals receiving two different antipsychotics for more than 60 days. Such patients are more likely to have received deliberate concurrent treatment.

In FY01, 14% of patients with schizophrenia were receiving two antipsychotics concurrently, compared to 12% in FY00 and 11% in FY99 (an increase of 27% over the three years). This substantial rate of concurrent treatment raises the possibility that patients who are refractory to antipsychotic treatment may be receiving an “add-on” antipsychotic agent rather than a clozapine trial. Closer monitoring and examination of treatment pathways may be warranted.

#### Average # of Prescriptions and Medication Possession Ratio (MPR)

These measures assess the continuity of antipsychotic use among patients with schizophrenia. Interruptions in antipsychotic use increase the risk of relapse and rehospitalization among patients with schizophrenia; 50% to 75% of patients who discontinue antipsychotic medications will relapse within a year (Viguera, Baldessarini, Hegarty, van Kammen, & Tohen, 1997; Curson et al., 1985; Hogarty & Ulrich, 1977; Skinner & Holt, 1987).

We report the average number of antipsychotic prescriptions fills for patients with schizophrenia filling at least one antipsychotic prescription during FY01. We also report the average medication possession ratio (MPR) for patients receiving antipsychotic medication and the percent of patients who have MPRs <0.8, a commonly used cut-off for poor adherence.

The MPR is the ratio of the “number of days supply” of medication that a patient has received divided by the “number of days supply” that they should have received had they been taking medication as prescribed. An MPR of 1 or 100% indicates that the patient has received all the medication needed to take their antipsychotic medication as prescribed; whereas, a MPR of 0.5 or 50% indicates that the patient has received medication sufficient to take only half of the prescribed dose. If the MPR is greater than 1, patients have received more medication than required to take the prescribed dose. The MPR was calculated for the time period between the patient’s first antipsychotic

prescription and the end of the fiscal year or date of death. Days spent in institutional settings were subtracted from the numbers of days supply the patient “*should have received*” in order to take their medication as prescribed.

We found that patients with schizophrenia filled an average of 8.3 antipsychotic prescriptions during FY01, with considerable variation in the number of fills. Approximately 39% of veterans with schizophrenia receiving one type of antipsychotic medication had MPRs below 0.8 in FY01, indicating poor medication adherence. This percentage remains consistent with the rates of poor adherence reported for other samples of patients with schizophrenia. The high prevalence and serious consequences of poor antipsychotic adherence suggest that the VA may need to adopt a systematic approach to improving adherence among these vulnerable patients.

Please note that we do not report MPRs for antipsychotic medications for patients with bipolar disorder because many bipolar patients may require only intermittent rather than continuous antipsychotic medication.

The Pharmacy Benefits Management Strategic Health Group, at Hines VA Medical Center, provided data on all outpatient prescriptions for Registry patients in this report.

All medications in class CN701, "Phenothiazines/related, Antipsychotics" and CN709 ("Antipsychotics, other") were included in the analyses of antipsychotic agents. Atypicals were identified in the prescription data by their generic names: Clozapine, Olanzapine, Quetiapine, Risperidone.

## Findings

- The large majority of patients with schizophrenia seen in the VA receive at least one prescription for an antipsychotic medication
- The percentage of veterans with schizophrenia receiving atypical antipsychotics has increased rapidly over the last three years. Currently, 77% of patients with schizophrenia receive atypical antipsychotic medications.
- Olanzapine and risperidone remain the most commonly used atypical antipsychotics but the % of patients receiving quetiapine is increasing rapidly in the VA (from 3.2% to 14.1% between FY99-FY01)
- The mean Medication Possession Ratio (MPR) rose in FY01 (to 81.2%) after being down in FY00.
- Percentage of “very poorly” compliant patients (an MPR of <0.5 and <0.8) continues to significantly decrease.
- Concurrent use of two or more medications continued to increase, both overall (8.7% to 9.6% to 10.5%) and for patients with schizophrenia only (10.6% to 12.1% to 13.7%)
- Clozapine use is increasing slightly among patients with schizophrenia but remains low (at 2.9%)

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**Table 4A: FY01 Patient w/ Psychosis, Pharmacy Utilization, by Diagnosis Grouping**

	All	Schizophrenia	Bipolar	Other
Entire Population	196675	98739	65556	32380
<u>Among all patients in the registry</u>				
Pts. with any outpatient prescriptions, %	95.3%	94.7%	96.7%	94.0%
Pts. with any oral antipsychotic fills, %*	59.6%	76.1%	40.8%	47.5%
<u>Among pts. receiving any antipsychotic medication:</u>				
Received only conventional antipsychotics, %	19.9%	22.6%	14.5%	16.2%
Received some atypical antipsychotics, %	80.1%	77.4%	85.5%	83.8%
Total	100.0%	100.0%	100.0%	100.0%
Any use of atypical antipsychotics, %				
Clozapine	1.9%	2.9%	0.1%	0.1%
Olanzapine	41.3%	40.0%	48.6%	34.8%
Quetiapine	14.1%	12.9%	17.3%	14.7%
Risperidone	36.7%	35.8%	33.6%	46.8%
Concurrent use of 2 or more antipsychotics, % ***	10.5%	13.7%	4.8%	4.4%
Pts. receiving only one kind** of antipsychotic, %	74.1%	71.3%	78.7%	79.4%
<u>Among pts. receiving just one antipsychotic:</u>				
Antipsychotic fills, mean	7.3	8.3	6.0	5.4
SD	5.3	5.6	4.4	4.2
Antipsychotic Medication Possession Ratio, mean	--	81.2%	--	--
SD	--	33.5%	--	--
Antipsychotic Med Possession Ratio <= 0.80, %	--	39.4%	--	--
Antipsychotic Med Possession Ratio <= 0.50, %	--	19.3%	--	--

\* Prescription data do not include the use of depot antipsychotics, which are received by 15-20% of schizophrenia patients.

\*\* Antipsychotics were classified as: Clozapine; Olanzapine; Quetiapine; Risperidone; or Conventional Antipsychotic

\*\*\* Concurrence of at least 60 days overlap in FY00 for a pair of antipsychotics.

**Table 4B: FY01 All Patients, Pharmacy Utilization, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
All Patients	196675	10732	5783	9744	11261	5443	8299	11698	18161	8181	8666	8555
<u>Among all patients in the registry</u>												
Pts. with any outpatient prescriptions, %	95.3%	92.6%	94.8%	94.9%	93.3%	94.0%	95.4%	96.3%	97.1%	95.8%	96.0%	94.6%
Patients with any oral antipsychotic fills, %*	59.6%	56.3%	55.8%	64.6%	60.8%	59.2%	61.1%	64.4%	58.9%	59.5%	61.9%	64.3%
<u>Among pts. receiving any antipsychotic medication:</u>												
Received only conventional antipsychotics, %	19.9%	17.0%	19.5%	22.1%	23.5%	16.7%	23.5%	18.7%	26.5%	25.4%	20.3%	23.9%
Received some atypical antipsychotics, %	80.1%	83.0%	80.5%	77.9%	76.5%	83.3%	76.5%	81.3%	73.5%	74.6%	79.7%	76.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Any use of atypical neuroleptics, %												
Clozapine	1.9%	3.9%	2.2%	1.4%	1.4%	1.5%	1.4%	1.6%	0.8%	1.3%	4.1%	2.4%
Olanzapine	41.3%	40.7%	34.8%	38.9%	38.1%	44.1%	37.6%	43.1%	45.1%	37.8%	42.9%	37.6%
Quetiapine	14.1%	23.4%	21.0%	10.2%	14.6%	16.4%	8.1%	13.0%	9.2%	11.3%	17.4%	9.9%
Risperidone	36.7%	33.0%	38.2%	40.5%	34.8%	38.7%	38.7%	36.7%	29.5%	36.5%	31.2%	36.9%
Concurrent use of 2 or more antipsychotics, % ***	11.6%	15.2%	12.7%	12.5%	15.0%	12.3%	8.6%	10.4%	7.9%	9.2%	11.7%	10.7%
Patients receiving only one kind** of antipsychotic, %	74.1%	71.9%	73.3%	74.1%	72.5%	71.8%	78.5%	74.6%	76.8%	75.0%	71.8%	74.9%
<u>Among patients receiving just one antipsychotic:</u>												
Antipsychotic fills, mean	7.31	8.23	8.06	7.88	6.90	7.60	6.20	7.06	7.37	6.66	8.09	8.60
SD	5.27	6.29	5.20	5.08	4.80	5.14	4.67	4.94	4.76	4.93	6.00	6.31
Antipsychotic Medication Possession Ratio, mean	--	--	--	--	--	--	--	--	--	--	--	--
SD	--	--	--	--	--	--	--	--	--	--	--	--
Antipsychotic Med Possession Ratio <= 0.80, %	--	--	--	--	--	--	--	--	--	--	--	--
Antipsychotic Med Possession Ratio <= 0.50, %	--	--	--	--	--	--	--	--	--	--	--	--

\* Prescription data do not include the use of depot antipsychotics, which are received by 15-20% of schizophrenia patients.

\*\* Antipsychotics were classified as: Clozapine; Olanzapine; Quetiapine; Risperidone; or Conventional Antipsychotic

\*\*\* Concurrence of at least 60 days overlap in FY01 for a pair of antipsychotics.

**Table 4B: FY01 All Patients, Pharmacy Utilization, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
All Patients	196675	8358	4712	2939	8800	15201	8247	7428	5508	8348	8754	11857
<u>Among all patients in the registry</u>												
Pts. with any outpatient prescriptions, %	95.3%	93.2%	95.2%	94.6%	96.4%	96.9%	96.4%	96.4%	95.9%	96.0%	93.9%	93.7%
Patients with any oral antipsychotic fills, %*	59.6%	55.0%	56.0%	59.6%	62.3%	65.3%	61.9%	49.6%	54.2%	56.5%	58.5%	55.4%
<u>Among pts. receiving any antipsychotic medication:</u>												
Received only conventional antipsychotics, %	19.9%	17.6%	18.1%	19.5%	15.0%	15.9%	15.5%	22.1%	17.3%	17.9%	15.9%	19.0%
Received some atypical antipsychotics, %	80.1%	82.4%	81.9%	80.5%	85.0%	84.1%	84.5%	77.9%	82.7%	82.1%	84.1%	81.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Any use of atypical neuroleptics, %												
Clozapine	1.9%	3.0%	3.3%	2.8%	1.6%	1.2%	2.1%	0.6%	2.6%	1.8%	2.3%	1.8%
Olanzapine	41.3%	36.3%	45.2%	42.6%	41.7%	41.7%	46.3%	42.2%	49.5%	43.9%	51.9%	30.7%
Quetiapine	14.1%	13.5%	13.0%	11.5%	13.8%	15.5%	15.7%	10.9%	14.6%	13.8%	15.3%	21.1%
Risperidone	36.7%	43.4%	30.9%	36.1%	43.9%	42.2%	37.1%	38.0%	32.0%	37.0%	29.2%	42.0%
Concurrent use of 2 or more antipsychotics, % ***	11.6%	10.7%	11.2%	15.3%	15.7%	11.1%	12.0%	9.2%	15.6%	10.9%	11.7%	11.0%
Patients receiving only one kind** of antipsychotic, %	74.1%	75.6%	77.7%	73.1%	70.2%	73.3%	72.3%	74.5%	71.6%	74.7%	74.6%	74.6%
<u>Among patients receiving just one antipsychotic:</u>												
Antipsychotic fills, mean	7.31	7.67	8.62	7.31	7.15	7.19	7.02	6.52	6.72	7.08	7.60	6.16
SD	5.27	5.46	5.61	5.30	4.82	4.94	5.23	4.85	5.47	5.70	5.56	4.78
Antipsychotic Medication Possession Ratio, mean	--	--	--	--	--	--	--	--	--	--	--	--
SD	--	--	--	--	--	--	--	--	--	--	--	--
Antipsychotic Med Possession Ratio <= 0.80, %	--	--	--	--	--	--	--	--	--	--	--	--
Antipsychotic Med Possession Ratio <= 0.50, %	--	--	--	--	--	--	--	--	--	--	--	--

\* Prescription data do not include the use of depot antipsychotics, which are received by 15-20% of schizophrenia patients.

\*\* Antipsychotics were classified as: Clozapine; Olanzapine; Quetiapine; Risperidone; or Conventional Antipsychotic

\*\*\* Concurrence of at least 60 days overlap in FY01 for a pair of antipsychotics.

**Table 4C: FY01 Patients w/ Schizophrenia, Pharmacy Utilization, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Schizophrenia	98739	5109	2830	6107	6385	2983	4167	6705	9526	3636	4783	4924
<u>Among all patients in the registry</u>												
Pts. with any outpatient prescriptions, %	94.7%	90.8%	94.1%	94.0%	93.1%	93.6%	94.9%	96.1%	97.5%	95.0%	95.7%	93.6%
Pts. with any oral antipsychotic fills, %*	76.1%	70.9%	72.5%	75.1%	75.9%	73.5%	76.6%	75.0%	77.1%	77.5%	77.3%	78.1%
<u>Among pts. receiving any antipsychotic medication:</u>												
Received only conventional antipsychotics, %	22.6%	21.0%	23.5%	25.4%	26.8%	18.1%	27.7%	20.8%	28.8%	29.0%	23.8%	26.9%
Received some atypical antipsychotics, %	77.4%	79.0%	76.5%	74.6%	73.2%	81.9%	72.3%	79.2%	71.2%	71.0%	76.2%	73.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Any use of atypical neuroleptics, %												
Clozapine	2.9%	6.4%	3.5%	1.9%	1.9%	2.1%	2.1%	2.3%	1.2%	2.3%	5.8%	3.4%
Olanzapine	40.0%	37.8%	33.6%	36.4%	36.4%	45.3%	35.5%	42.5%	45.5%	34.8%	39.1%	36.6%
Quetiapine	12.9%	19.0%	18.5%	9.4%	14.6%	14.2%	7.4%	11.7%	8.4%	9.4%	16.6%	9.9%
Risperidone	35.8%	34.2%	37.0%	39.1%	33.0%	38.5%	36.3%	35.4%	27.0%	36.7%	31.0%	34.4%
Concurrent use of 2 or more antipsychotics, % ***	13.7%	18.7%	15.0%	14.5%	17.4%	14.7%	9.6%	11.2%	8.5%	11.3%	13.8%	11.9%
Pts. receiving only one kind** of antipsychotic, %	71.3%	68.9%	70.1%	72.2%	69.4%	68.8%	77.1%	73.6%	75.1%	72.8%	69.1%	71.8%
<u>Among pts. receiving just one antipsychotic:</u>												
Antipsychotic fills, mean	8.29	9.67	9.29	8.54	7.47	8.49	6.78	7.68	8.10	7.68	9.14	9.70
SD	5.55	6.84	5.20	5.16	4.96	5.29	4.99	5.13	4.82	5.27	6.31	6.77
Antipsychotic Medication Possession Ratio, mean	0.81	0.88	0.84	0.82	0.83	0.79	0.82	0.76	0.77	0.82	0.82	0.83
SD	0.34	0.32	0.32	0.34	0.33	0.33	0.36	0.33	0.32	0.33	0.35	0.30
Antipsychotic Med Possession Ratio <= 0.80, %	39.4%	29.1%	34.0%	38.7%	36.9%	43.2%	40.2%	47.3%	46.6%	38.6%	37.2%	34.7%
Antipsychotic Med Possession Ratio <= 0.50, %	19.3%	13.6%	15.3%	20.2%	17.5%	21.2%	19.9%	24.4%	22.1%	17.6%	20.1%	15.9%

\* Prescription data do not include the use of depot antipsychotics, which are received by 15-20% of schizophrenia patients.

\*\* Antipsychotics were classified as: Clozapine; Olanzapine; Quetiapine; Risperidone; or Conventional Antipsychotic

\*\*\* Concurrence of at least 60 days overlap in FY01 for a pair of antipsychotics.

**Table 4C: FY01 Patients w/ Schizophrenia, Pharmacy Utilization, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Schizophrenia	98739	3976	2094	1478	3893	7780	3754	2829	2165	3404	4396	5815
<u>Among all patients in the registry</u>												
Pts. with any outpatient prescriptions, %	94.7%	91.2%	93.7%	93.4%	96.4%	97.0%	96.0%	96.0%	95.1%	95.2%	94.4%	92.4%
Pts. with any oral antipsychotic fills, %*	76.1%	70.7%	75.7%	77.1%	81.1%	80.7%	79.0%	72.8%	77.8%	78.7%	74.2%	73.8%
<u>Among pts. receiving any antipsychotic medication:</u>												
Received only conventional antipsychotics, %	22.6%	19.6%	21.0%	20.1%	17.5%	17.6%	17.6%	21.3%	20.0%	20.2%	18.8%	20.4%
Received some atypical antipsychotics, %	77.4%	80.4%	79.0%	79.9%	82.5%	82.4%	82.4%	78.7%	80.0%	79.8%	81.2%	79.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Any use of atypical neuroleptics, %												
Clozapine	2.9%	4.7%	5.2%	4.1%	2.6%	1.8%	3.6%	1.1%	4.6%	3.1%	3.5%	2.5%
Olanzapine	40.0%	35.1%	42.9%	41.0%	41.5%	42.2%	44.1%	42.4%	48.2%	42.5%	49.0%	30.3%
Quetiapine	12.9%	12.3%	11.5%	10.2%	14.5%	13.3%	15.2%	11.3%	12.5%	13.3%	14.2%	19.4%
Risperidone	35.8%	42.1%	30.5%	37.1%	41.6%	42.2%	36.8%	39.4%	30.7%	35.1%	29.4%	42.9%
Concurrent use of 2 or more antipsychotics, %	13.7%	13.0%	13.9%	18.7%	20.3%	13.7%	14.6%	12.0%	20.3%	14.1%	14.4%	12.8%
Pts. receiving only one kind** of antipsychotic, %	71.3%	72.9%	75.0%	69.6%	64.3%	70.2%	69.4%	70.5%	68.0%	71.1%	71.5%	71.7%
<u>Among pts. receiving just one antipsychotic:</u>												
Antipsychotic fills, mean	8.29	8.71	9.80	8.38	8.36	8.19	8.20	7.84	8.01	8.52	8.80	6.97
SD	5.55	5.76	5.92	5.68	4.96	5.08	5.72	5.02	6.16	6.17	5.90	5.04
Antipsychotic Medication Possession Ratio, mean	0.81	0.80	0.87	0.88	0.81	0.78	0.82	0.79	0.87	0.86	0.82	0.79
SD	0.34	0.33	0.32	0.33	0.32	0.33	0.35	0.34	0.35	0.34	0.35	0.36
Antipsychotic Med Possession Ratio <= 0.80, %	39.4%	39.2%	29.2%	28.8%	39.8%	43.7%	39.9%	41.4%	32.4%	34.1%	37.7%	41.9%
Antipsychotic Med Possession Ratio <= 0.50, %	19.3%	20.4%	13.1%	13.5%	19.0%	21.2%	18.9%	21.0%	14.8%	15.0%	19.3%	22.1%

\* Prescription data do not include the use of depot antipsychotics, which are received by 15-20% of schizophrenia patients.

\*\* Antipsychotics were classified as: Clozapine; Olanzapine; Quetiapine; Risperidone; or Conventional Antipsychotic

\*\*\* Concurrence of at least 60 days overlap in FY01 for a pair of antipsychotics.

**Table 4D: FY01 Patients w/ Bipolar Disorder, Pharmacy Utilization, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Bipolar Disorder	65556	4263	2240	2438	3589	1551	2558	3093	5575	2814	2754	2644
<u>Among all patients in the registry</u>												
Pts. with any outpatient prescriptions, %	96.7%	95.1%	96.4%	97.3%	95.6%	95.9%	96.9%	97.9%	97.6%	97.2%	97.8%	96.8%
Patients with any oral antipsychotic fills, %*	40.8%	42.2%	39.4%	47.0%	39.9%	43.3%	44.8%	46.0%	36.9%	44.2%	44.6%	44.3%
<u>Among pts. receiving any antipsychotic medication:</u>												
Received only conventional antipsychotics, %	14.5%	9.9%	12.0%	11.6%	15.6%	13.4%	15.5%	13.8%	20.9%	17.3%	12.0%	16.8%
Received some atypical antipsychotics, %	85.5%	90.1%	88.0%	88.4%	84.4%	86.6%	84.5%	86.2%	79.1%	82.7%	88.0%	83.2%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Any use of atypical neuroleptics, %												
Clozapine	0.1%	0.3%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.4%	0.3%
Olanzapine	48.6%	49.0%	39.8%	52.1%	45.6%	47.1%	46.8%	49.1%	48.8%	49.6%	56.2%	44.8%
Quetiapine	17.3%	32.1%	27.7%	12.6%	14.2%	20.3%	10.3%	17.3%	11.3%	14.5%	20.0%	9.5%
Risperidone	33.6%	27.3%	36.3%	40.5%	36.6%	35.0%	37.8%	33.8%	31.3%	31.2%	27.3%	38.8%
Concurrent use of 2 or more antipsychotics, % ***	4.8%	7.4%	4.1%	4.2%	6.4%	4.5%	4.9%	6.0%	3.6%	3.4%	4.2%	4.7%
Patients receiving only one kind** of antipsychotic, %	78.7%	75.3%	78.1%	77.9%	79.1%	77.9%	80.3%	76.8%	80.7%	77.3%	77.0%	82.2%
<u>Among patients receiving just one antipsychotic:</u>												
Antipsychotic fills, mean	5.96	6.51	6.30	6.69	6.10	6.24	5.45	6.05	6.05	5.27	6.31	6.69
SD	4.44	4.92	4.70	4.64	4.35	4.59	4.01	4.40	4.36	4.07	5.20	4.47
Antipsychotic Medication Possession Ratio, mean	--	--	--	--	--	--	--	--	--	--	--	--
SD	--	--	--	--	--	--	--	--	--	--	--	--
Antipsychotic Med Possession Ratio <= 0.80, %	--	--	--	--	--	--	--	--	--	--	--	--
Antipsychotic Med Possession Ratio <= 0.50, %	--	--	--	--	--	--	--	--	--	--	--	--

\* Prescription data do not include the use of depot antipsychotics, which are received by 15-20% of schizophrenia patients.

\*\* Antipsychotics were classified as: Clozapine; Olanzapine; Quetiapine; Risperidone; or Conventional Antipsychotic

\*\*\* Concurrence of at least 60 days overlap in FY01 for a pair of antipsychotics.

**Table 4D: FY01 Patients w/ Bipolar Disorder, Pharmacy Utilization, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Bipolar Disorder	65556	3112	1882	1105	3018	3989	2836	3013	2561	3593	2739	4189
<u>Among all patients in the registry</u>												
Pts. with any outpatient prescriptions, %	96.7%	95.3%	97.0%	96.4%	97.4%	97.3%	97.2%	97.1%	97.5%	97.3%	95.9%	95.2%
Patients with any oral antipsychotic fills, %*	40.8%	37.9%	37.3%	39.3%	46.2%	44.9%	47.6%	32.1%	37.9%	36.4%	37.9%	33.3%
<u>Among pts. receiving any antipsychotic medication:</u>												
Received only conventional antipsychotics, %	14.5%	15.3%	12.4%	19.8%	10.4%	13.6%	11.4%	22.3%	13.3%	15.7%	10.1%	15.9%
Received some atypical antipsychotics, %	85.5%	84.7%	87.6%	80.2%	89.6%	86.4%	88.6%	77.7%	86.7%	84.3%	89.9%	84.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Any use of atypical neuroleptics, %												
Clozapine	0.1%	0.3%	0.6%	0.5%	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	0.1%	0.4%
Olanzapine	48.6%	41.9%	54.1%	49.1%	47.0%	46.7%	55.6%	49.3%	52.4%	48.9%	61.8%	38.0%
Quetiapine	17.3%	15.6%	16.5%	13.8%	14.5%	19.9%	18.4%	10.6%	18.9%	14.7%	18.1%	25.8%
Risperidone	33.6%	40.2%	26.5%	28.8%	43.3%	35.5%	32.2%	29.4%	32.1%	34.4%	22.9%	34.0%
Concurrent use of 2 or more antipsychotics, % ***	4.8%	4.7%	5.3%	5.1%	5.7%	3.5%	5.6%	3.2%	6.4%	3.4%	3.7%	4.9%
Patients receiving only one kind** of antipsychotic, %	78.7%	80.5%	81.5%	80.2%	77.1%	78.7%	74.8%	79.6%	76.4%	80.9%	81.8%	79.4%
<u>Among patients receiving just one antipsychotic:</u>												
Antipsychotic fills, mean	5.96	6.41	7.05	5.63	6.07	5.95	5.69	5.24	5.32	5.43	5.75	5.01
SD	4.44	4.75	4.58	4.10	4.27	4.38	4.11	4.05	4.09	4.51	4.34	4.09
Antipsychotic Medication Possession Ratio, mean	--	--	--	--	--	--	--	--	--	--	--	--
SD	--	--	--	--	--	--	--	--	--	--	--	--
Antipsychotic Med Possession Ratio <= 0.80, %	--	--	--	--	--	--	--	--	--	--	--	--
Antipsychotic Med Possession Ratio <= 0.50, %	--	--	--	--	--	--	--	--	--	--	--	--

\* Prescription data do not include the use of depot antipsychotics, which are received by 15-20% of schizophrenia patients.

\*\* Antipsychotics were classified as: Clozapine; Olanzapine; Quetiapine; Risperidone; or Conventional Antipsychotic

\*\*\* Concurrence of at least 60 days overlap in FY01 for a pair of antipsychotics.

**Table 4E: FY01 Patients w/ Other Psychoses, Pharmacy Utilization, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Other Psychoses	32380	1360	713	1199	1287	909	1574	1900	3060	1731	1129	987
<u>Among all patients in the registry</u>												
Pts. with any outpatient prescriptions, %	94.0%	91.5%	92.4%	94.9%	87.6%	359.4%	55.9%	91.6%	94.3%	94.7%	94.9%	95.3%
Patients with any oral antipsychotic fills, %*	47.5%	46.0%	41.4%	47.3%	43.7%	39.6%	46.6%	57.0%	42.3%	46.5%	39.1%	48.8%
<u>Among pts. receiving any antipsychotic medication:</u>												
Received only conventional antipsychotics, %	16.2%	14.1%	14.2%	16.0%	15.1%	14.2%	17.7%	15.3%	22.6%	25.3%	14.3%	17.4%
Received some atypical antipsychotics, %	83.8%	85.9%	85.8%	84.0%	84.9%	85.8%	82.3%	84.7%	77.4%	74.7%	85.7%	82.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Any use of atypical neuroleptics, %												
Clozapine	0.1%	0.0%	0.0%	0.5%	0.4%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.4%
Olanzapine	34.8%	33.3%	28.1%	32.1%	33.4%	30.8%	32.3%	37.8%	37.0%	30.4%	37.8%	28.2%
Quetiapine	14.7%	23.8%	19.0%	12.2%	15.1%	22.8%	7.5%	13.6%	10.4%	13.0%	17.4%	11.2%
Risperidone	46.8%	42.9%	52.5%	52.0%	45.6%	46.7%	50.4%	46.8%	40.8%	44.0%	44.3%	52.5%
Concurrent use of 2 or more antipsychotics, % ***	4.4%	5.0%	4.4%	4.1%	3.6%	2.8%	2.5%	5.9%	3.9%	4.5%	3.2%	2.7%
Patients receiving only one kind** of antipsychotic, %	79.4%	79.5%	81.4%	81.8%	82.6%	78.6%	81.6%	76.1%	80.1%	79.4%	79.9%	82.4%
<u>Among pts receiving just one antipsychotic</u>												
Antipsychotic fills, mean	5.36	5.73	5.70	5.42	4.78	5.43	4.97	5.60	5.63	5.44	5.20	5.58
SD	4.18	4.58	4.24	4.00	3.79	3.99	3.77	4.13	4.10	4.17	4.07	4.42
Antipsychotic Medication Possession Ratio, mean	--	--	--	--	--	--	--	--	--	--	--	--
SD	--	--	--	--	--	--	--	--	--	--	--	--
Antipsychotic Med Possession Ratio <= 0.80, %	--	--	--	--	--	--	--	--	--	--	--	--
Antipsychotic Med Possession Ratio <= 0.50, %	--	--	--	--	--	--	--	--	--	--	--	--

\* Prescription data do not include the use of depot antipsychotics, which are received by 15-20% of schizophrenia patients.

\*\* Antipsychotics were classified as: Clozapine; Olanzapine; Quetiapine; Risperidone; or Conventional Antipsychotic

\*\*\* Concurrence of at least 60 days overlap in FY00 for a pair of antipsychotics.

**Table 4E: FY01 Patients w/ Other Psychoses, Pharmacy Utilization, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Other Psychoses	32380	1270	736	356	1889	3432	1657	1586	782	1351	1619	1853
<u>Among all patients in the registry</u>												
Pts. with any outpatient prescriptions, %	94.0%	93.3%	93.3%	94.6%	94.7%	94.4%	95.0%	96.1%	96.0%	95.8%	93.0%	94.4%
Patients with any oral antipsychotic fills, %*	47.5%	47.2%	47.6%	50.3%	49.0%	54.0%	47.6%	41.6%	42.2%	54.0%	51.0%	47.6%
<u>Among pts. receiving any antipsychotic medication:</u>												
Received only conventional antipsychotics, %	16.2%	12.8%	16.0%	15.1%	13.4%	12.6%	14.5%	24.4%	14.8%	13.2%	11.6%	17.5%
Received some atypical antipsychotics, %	83.8%	87.2%	84.0%	84.9%	86.6%	87.4%	85.5%	75.6%	85.2%	86.8%	88.4%	82.5%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Any use of atypical neuroleptics, %												
Clozapine	0.1%	0.0%	0.6%	0.0%	0.3%	0.1%	0.1%	0.0%	0.0%	0.0%	0.2%	0.1%
Olanzapine	34.8%	30.7%	37.4%	37.4%	34.2%	35.0%	38.2%	31.1%	47.6%	40.5%	50.5%	21.1%
Quetiapine	14.7%	15.5%	12.9%	14.5%	10.5%	18.4%	12.6%	10.0%	12.4%	14.1%	16.2%	22.0%
Risperidone	46.8%	56.2%	41.7%	47.5%	52.4%	48.8%	46.4%	46.0%	37.9%	48.4%	36.3%	50.3%
Concurrent use of 2 or more antipsychotics, % ***	4.4%	4.3%	3.7%	6.1%	6.6%	4.0%	5.5%	4.6%	7.3%	4.5%	4.1%	4.2%
Patients receiving only one kind** of antipsychotic, %	79.4%	78.2%	82.3%	78.8%	79.9%	78.4%	79.2%	79.7%	76.1%	76.8%	78.1%	81.1%
<u>Among pts receiving just one antipsychotic</u>												
Antipsychotic fills, mean	5.36	5.66	6.84	5.49	5.42	5.34	5.28	4.74	5.00	5.28	5.69	4.44
SD	4.18	4.25	4.90	3.97	4.23	4.12	4.01	4.38	4.03	4.62	4.39	3.63
Antipsychotic Medication Possession Ratio, mean	--	--	--	--	--	--	--	--	--	--	--	--
SD	--	--	--	--	--	--	--	--	--	--	--	--
Antipsychotic Med Possession Ratio <= 0.80, %	--	--	--	--	--	--	--	--	--	--	--	--
Antipsychotic Med Possession Ratio <= 0.50, %	--	--	--	--	--	--	--	--	--	--	--	--

\* Prescription data do not include the use of depot antipsychotics, which are received by 15-20% of schizophrenia patients.

\*\* Antipsychotics were classified as: Clozapine; Olanzapine; Quetiapine; Risperidone; or Conventional Antipsychotic

\*\*\* Concurrence of at least 60 days overlap in FY00 for a pair of antipsychotics.



## **Chapter 5**

### **Cost**

#### **Background**

In addition to the significant personal burden and high mortality rates, patients with serious mental illnesses represent tremendous costs to the health care system. Total expenditures, including both psychiatric and medical care, for these individuals can reach \$25,000 per patient annually. The U.S. spends approximately 1% of its total GDP for the treatment of mental illnesses, with the majority being devoted to SMI (McGuire, 1991). The prevalence of schizophrenia in the population is about 1%, yet the economic cost for this disease is nearly \$45 billion annually (Wyatt & Henter, 1995). This figure is comparable to the dollars spent on depression, for which the prevalence is around 7-8%.

In addition to psychiatric services, SMI patients use medical services more than the general population. A recent study (Mauskopf, David, Grainger, & Gibson, 1999) indicates that, depending on the diagnosis, the average annual expenditure per SMI patient exceeds \$26,000. Outpatient spending was nearly \$3000, with pharmacy costs approximately \$375.

We report on total costs, as well as the relative costs of psychiatric and medical care and of inpatient and outpatient care. We also report separately annual costs by cost center. Comparisons across VISNs and stations regarding expenditures on outpatient psychiatric care may inform questions of differential treatment capacities.

The Allocation Resource Center (ARC) in Braintree, Massachusetts, provided cost data for each patient by facility and cost center. The ARC calculates patient costs using data from the VA's Decision Support System (DSS). In prior years, ARC assessed patient costs on the basis of the Cost Distribution Report (CDR). Please see Appendix B for details.

#### **Findings**

- FY01 costs for this population exceeded \$3B, representing almost 15% of the VA's health care budget.
- 34.6% of all costs were for psychiatric care.
- \$15,673 was spent per patient in FY01; 44% for outpatient, 36% for inpatient, 20% for non-VA and long-term care
- VISNs varied substantially in total, inpatient and outpatient costs per patient.
- When mean per patient costs are divided among different cost centers, the top three are psychiatry (\$3,514), outpatient psychiatry (\$1,912) and medical (\$1,641).
- 1.6% of all costs were incurred outside of the patient's home VISN, and 4.2% outside of the home station.

## Tables

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**Table 5A: FY01 Patient w/ Psychosis, Cost, by Diagnosis Grouping**

	All	Schizophrenia	Bipolar	Other
Entire Population	196675	98739	65556	32380
<u>Total Cost</u> (in thousands \$)	\$3,082,526	\$1,696,541	\$865,837	\$520,148
%	100.0%	55.0%	28.1%	16.9%
<u>Psych vs. Non-Psych Costs</u>				
Psych	34.6%	38.5%	35.8%	19.8%
Non-Psych	65.4%	61.5%	64.2%	80.2%
Total	100.0%	100.0%	100.0%	100.0%
<u>Mean Hospital Costs, Pts with some Hospital use</u>				
Per Patient	\$18,706	\$21,927	\$15,073	\$16,709
Per Day of Stay	\$700	\$654	\$739	\$823
<u>Mean Outpatient Costs, Pts with some Outpatient use</u>				
Per Patient	\$7,015	\$7,370	\$6,801	\$6,379
Per Visit Day	\$267	\$258	\$269	\$299
<u>Mean Patient Costs, By Cost Center, all patients</u>				
1 Med	\$1,500	\$1,307	\$1,083	\$2,930
2 Surg	\$582	\$490	\$497	\$1,033
3 Psych	\$3,515	\$4,507	\$2,723	\$2,094
4 Psych Res Rehab Treatment Program	\$225	\$189	\$324	\$133
5 Non-VA	\$171	\$183	\$127	\$222
6 LTC Domiciliary	\$430	\$379	\$598	\$243
7 LTC Intermediate Care	\$281	\$262	\$166	\$571
8 LTC Nursing Home	\$1,560	\$1,994	\$758	\$1,863
9 Contract Nursing Home	\$470	\$622	\$162	\$629
10 OPC Med/Surg	\$1,045	\$904	\$1,127	\$1,310
11 OPC Psych	\$1,912	\$2,116	\$2,012	\$1,089
12 OPC Home Based Treatment	\$672	\$781	\$491	\$702
13 OPC Support	\$1,558	\$1,542	\$1,525	\$1,671
14 OPC Fee	\$111	\$99	\$99	\$176
15 OPC Pharmacy	\$1,642	\$1,807	\$1,513	\$1,396
TOTAL	\$15,673	\$17,182	\$13,208	\$16,064
Mean % pt. Costs at Other Stations	4.2%	3.8%	5.1%	4.0%
SD	13.3%	12.7%	14.3%	12.9%
Mean % pt. Costs at Other VISNs	1.6%	1.4%	2.1%	1.5%
SD	8.2%	7.5%	9.3%	7.9%

**Table 5B: FY01 All Patients, Costs, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
All Patients	196675	10732	5783	9744	11261	5443	8299	11698	18161	8181	8666	8555
<u>Total Costs</u> (in thousands \$\$)	\$3,082,526	\$202,440	\$99,813	\$226,582	\$169,142	\$114,466	\$117,609	\$166,046	\$194,484	\$102,158	\$153,140	\$139,530
%	100.0%	6.6%	3.2%	7.4%	5.5%	3.7%	3.8%	5.4%	6.3%	3.3%	5.0%	4.5%
<u>Psych vs. Non-Psych Costs</u>												
Psych	34.6%	40.7%	34.6%	38.7%	33.2%	39.2%	39.0%	36.7%	23.7%	32.0%	28.8%	39.2%
Non-Psych	65.4%	59.3%	65.4%	61.3%	66.8%	60.8%	61.0%	63.3%	76.3%	68.0%	71.2%	60.8%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Mean Hospital Costs, Pts with some Hospital use</u>												
Per Patient	\$18,706	\$23,118	\$19,521	\$31,832	\$19,543	\$21,309	\$16,542	\$18,019	\$12,245	\$15,220	\$13,849	\$22,785
Per Day of Stay	\$700	\$679	\$821	\$736	\$702	\$605	\$524	\$607	\$762	\$583	\$542	\$565
<u>Mean Outpatient Costs, Pts with some Outpatient use</u>												
Per Patient	\$7,015	\$8,867	\$8,325	\$8,432	\$5,621	\$8,857	\$5,581	\$6,853	\$6,015	\$5,396	\$8,878	\$6,186
Per Visit Day	\$267	\$239	\$227	\$264	\$251	\$266	\$283	\$285	\$280	\$291	\$302	\$271
<u>Mean Patient Costs, By Cost Center, all patients</u>												
1 Med	\$1,500	\$1,181	\$1,485	\$1,900	\$1,334	\$1,728	\$1,285	\$1,615	\$1,256	\$1,824	\$1,248	\$1,447
2 Surg	\$582	\$529	\$599	\$601	\$547	\$669	\$389	\$528	\$483	\$662	\$394	\$507
3 Psych	\$3,515	\$4,768	\$3,215	\$6,578	\$3,430	\$5,554	\$4,166	\$3,372	\$1,236	\$2,941	\$2,792	\$4,995
4 Psych Res Rehab Treatment Program	\$225	\$190	\$493	\$427	\$233	\$167	\$93	\$10	\$169	\$82	\$395	\$226
5 Non-VA	\$171	\$162	\$159	\$107	\$80	\$129	\$181	\$145	\$228	\$56	\$116	\$154
6 LTC Domiciliary	\$430	\$253	\$601	\$892	\$629	\$1,665	\$166	\$146	\$68	\$167	\$775	\$3
7 LTC Intermediate Care	\$281	\$542	\$4	\$430	\$486	\$536	\$400	\$322	\$186	\$326	\$521	\$611
8 LTC Nursing Home	\$1,560	\$1,800	\$2,149	\$3,730	\$2,409	\$1,483	\$1,618	\$980	\$725	\$669	\$2,033	\$1,866
9 Contract Nursing Home	\$470	\$725	\$338	\$329	\$337	\$372	\$371	\$284	\$366	\$416	\$618	\$456
10 OPC Med/Surg	\$1,045	\$1,374	\$990	\$1,439	\$788	\$1,330	\$949	\$1,002	\$873	\$1,039	\$1,017	\$803
11 OPC Psych	\$1,912	\$2,912	\$2,762	\$2,422	\$1,550	\$2,693	\$1,366	\$1,838	\$1,307	\$1,054	\$2,301	\$1,403
12 OPC Home Based Treatment	\$672	\$822	\$1,155	\$1,150	\$427	\$821	\$392	\$668	\$564	\$499	\$982	\$709
13 OPC Support	\$1,558	\$1,859	\$1,550	\$1,746	\$1,144	\$2,094	\$1,179	\$1,427	\$1,408	\$1,219	\$3,222	\$1,573
14 OPC Fee	\$111	\$129	\$25	\$53	\$82	\$99	\$88	\$115	\$99	\$123	\$124	\$85
15 OPC Pharmacy	\$1,642	\$1,618	\$1,735	\$1,449	\$1,545	\$1,690	\$1,528	\$1,742	\$1,740	\$1,409	\$1,135	\$1,474
TOTAL	\$15,673	\$18,863	\$17,260	\$23,254	\$15,020	\$21,030	\$14,172	\$14,194	\$10,709	\$12,487	\$17,671	\$16,310
Mean % Patient Costs at Other Stations	4.2%	4.9%	2.0%	4.1%	5.7%	4.0%	5.2%	4.7%	2.9%	3.3%	4.6%	5.7%
SD	13.3%	14.0%	9.3%	12.4%	15.5%	12.5%	14.4%	13.7%	10.9%	11.9%	13.9%	15.1%
Mean % Patient Costs at Other VISNs	1.6%	1.0%	2.0%	1.3%	1.4%	1.8%	1.5%	1.6%	1.5%	2.2%	1.4%	1.3%
SD	8.2%	6.3%	9.3%	7.0%	7.7%	8.8%	7.9%	8.1%	8.1%	9.6%	7.5%	7.1%

**Table 5B: FY01 All Patients, Costs, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
All Patients	196675	8358	4712	2939	8800	15201	8247	7428	5508	8348	8754	11857
<u>Total Costs</u> (in thousands \$\$)	\$3,082,526	\$180,078	\$73,218	\$50,587	\$121,153	\$199,650	\$124,627	\$89,034	\$84,385	\$121,380	\$149,357	\$203,645
%	100.0%	5.8%	2.4%	1.6%	3.9%	6.5%	4.0%	2.9%	2.7%	3.9%	4.8%	6.6%
<u>Psych vs. Non-Psych Costs</u>												
Psych	34.6%	31.6%	35.7%	27.4%	35.4%	37.6%	35.9%	28.0%	34.7%	31.1%	34.8%	36.2%
Non-Psych	65.4%	68.4%	64.3%	72.6%	64.6%	62.4%	64.1%	72.0%	65.3%	68.9%	65.2%	63.8%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Mean Inpatient Costs</u>												
Per Patient	\$18,706	\$21,208	\$16,336	\$16,834	\$15,220	\$18,245	\$19,285	\$14,398	\$17,869	\$14,173	\$22,188	\$23,669
Per Day of Stay	\$700	\$646	\$1,069	\$971	\$629	\$782	\$597	\$1,007	\$774	\$828	\$989	\$1,014
<u>Mean Outpatient Costs</u>												
Per Patient	\$6,939	\$7,512	\$7,964	\$7,234	\$6,317	\$5,899	\$6,857	\$5,902	\$7,073	\$7,142	\$8,048	\$8,190
Per Clinic Stop	\$267	\$221	\$299	\$250	\$252	\$289	\$258	\$271	\$279	\$248	\$289	\$284
<u>Mean Patient Costs, By Cost Center</u>												
1 Med	\$1,500	\$1,829	\$1,444	\$1,453	\$1,535	\$1,508	\$1,527	\$1,783	\$1,217	\$1,443	\$1,404	\$1,741
2 Surg	\$582	\$714	\$518	\$671	\$483	\$659	\$534	\$729	\$483	\$623	\$930	\$664
3 Psych	\$3,515	\$4,684	\$2,625	\$2,721	\$3,102	\$3,587	\$4,162	\$1,917	\$3,539	\$2,301	\$3,300	\$3,686
4 Psych Res Rehab Treatment Program	\$225	\$1,298	\$124	\$36	\$101	\$113	\$153	\$81	\$142	\$294	\$244	\$28
5 Non-VA	\$171	\$59	\$263	\$314	\$158	\$80	\$186	\$264	\$168	\$343	\$445	\$149
6 LTC Domiciliary	\$430	\$1,225	\$618	\$642	\$267	\$119	\$492	\$185	\$8	\$1,104	\$87	\$539
7 LTC Intermediate Care	\$281	\$393	\$1	\$159	\$296	\$236	\$75	\$9	\$281	\$44	\$109	\$39
8 LTC Nursing Home	\$1,560	\$2,912	\$1,896	\$3,965	\$1,195	\$762	\$766	\$734	\$1,969	\$614	\$2,030	\$1,178
9 Contract Nursing Home	\$470	\$1,043	\$187	\$164	\$368	\$198	\$430	\$405	\$501	\$675	\$530	\$1,012
10 OPC Med/Surg	\$1,045	\$1,306	\$956	\$791	\$915	\$902	\$987	\$977	\$1,050	\$1,018	\$1,069	\$1,412
11 OPC Psych	\$1,912	\$2,130	\$2,929	\$1,997	\$1,773	\$1,347	\$1,271	\$1,436	\$1,772	\$2,216	\$2,637	\$2,524
12 OPC Home Based Treatment	\$672	\$758	\$408	\$739	\$501	\$441	\$741	\$465	\$727	\$648	\$771	\$747
13 OPC Support	\$1,558	\$1,530	\$1,489	\$1,394	\$1,204	\$1,357	\$1,879	\$1,370	\$1,366	\$1,222	\$1,640	\$1,673
14 OPC Fee	\$111	\$111	\$220	\$91	\$144	\$72	\$76	\$128	\$207	\$212	\$185	\$87
15 OPC Pharmacy	\$1,642	\$1,555	\$1,860	\$2,075	\$1,725	\$1,753	\$1,832	\$1,505	\$1,891	\$1,784	\$1,680	\$1,696
TOTAL	\$15,673	\$21,546	\$15,539	\$17,212	\$13,767	\$13,134	\$15,112	\$11,986	\$15,321	\$14,540	\$17,062	\$17,175
Mean % Patient Costs at Other Stations	4.2%	6.0%	5.3%	1.6%	2.2%	3.8%	3.6%	4.9%	4.2%	5.3%	5.2%	3.7%
SD	13.3%	15.7%	14.0%	8.3%	9.3%	12.8%	12.3%	14.3%	13.3%	15.0%	15.2%	12.4%
Mean % Patient Costs at Other VISNs	1.6%	1.3%	1.8%	1.6%	1.4%	1.7%	2.1%	2.4%	2.2%	2.0%	1.7%	1.6%
SD	8.2%	7.2%	8.6%	8.3%	7.4%	8.4%	9.5%	10.0%	9.8%	9.1%	8.3%	7.9%

**Table 5C: FY01 Patients w/ Schizophrenia, Costs, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Schizophrenia	98739	5109	2830	6107	6385	2983	4167	6705	9526	3636	4783	4924
<u>Total Costs</u> (in thousands \$\$)	\$1,696,541	\$112,110	\$51,945	\$164,246	\$103,531	\$68,667	\$64,736	\$101,586	\$98,295	\$50,335	\$95,877	\$90,312
%	100.0%	6.6%	3.1%	9.7%	6.1%	4.0%	3.8%	6.0%	5.8%	3.0%	5.7%	5.3%
<u>Psych vs. Non-Psych Costs</u>												
Psych	38.5%	44.2%	37.6%	40.9%	38.5%	43.4%	45.4%	42.1%	26.5%	39.0%	30.0%	44.6%
Non-Psych	61.5%	55.8%	62.4%	59.1%	61.5%	56.6%	54.6%	57.9%	73.5%	61.0%	70.0%	55.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Mean Hospital Costs, Pts with some Hospital use</u>												
Per Patient	\$21,927	\$30,373	\$23,430	\$37,130	\$22,718	\$24,716	\$19,918	\$19,877	\$12,412	\$18,380	\$15,041	\$27,592
Per Day of Stay	\$654	\$651	\$765	\$707	\$663	\$570	\$496	\$562	\$754	\$471	\$520	\$521
<u>Mean Outpatient Costs, Pts with some Outpatient use</u>												
Per Patient	\$7,370	\$9,466	\$8,802	\$8,804	\$5,825	\$9,527	\$5,642	\$7,226	\$6,081	\$5,514	\$9,978	\$6,506
Per Visit Day	\$258	\$222	\$217	\$264	\$246	\$252	\$274	\$271	\$281	\$264	\$305	\$258
<u>Mean Patient Costs, By Cost Center, all patients</u>												
1 Med	\$1,307	\$1,114	\$1,448	\$1,917	\$1,193	\$1,429	\$1,236	\$1,397	\$1,005	\$1,545	\$1,178	\$1,287
2 Surg	\$490	\$424	\$483	\$648	\$474	\$558	\$311	\$466	\$453	\$471	\$354	\$364
3 Psych	\$4,507	\$6,542	\$4,072	\$8,447	\$4,506	\$6,945	\$5,446	\$4,250	\$1,329	\$4,050	\$3,358	\$6,703
4 Psych Res Rehab Treatment Program	\$189	\$157	\$344	\$572	\$250	\$82	\$64	\$10	\$96	\$54	\$486	\$178
5 Non-VA	\$183	\$165	\$224	\$143	\$79	\$98	\$127	\$122	\$254	\$77	\$143	\$207
6 LTC Domiciliary	\$379	\$251	\$293	\$703	\$398	\$2,097	\$118	\$153	\$39	\$154	\$750	\$2
7 LTC Intermediate Care	\$262	\$522	\$0	\$435	\$492	\$532	\$311	\$278	\$122	\$410	\$427	\$633
8 LTC Nursing Home	\$1,994	\$2,436	\$2,366	\$5,106	\$2,677	\$1,592	\$2,008	\$1,061	\$631	\$1,153	\$2,600	\$2,245
9 Contract Nursing Home	\$622	\$1,139	\$483	\$385	\$441	\$366	\$400	\$284	\$334	\$525	\$927	\$430
10 OPC Med/Surg	\$904	\$1,266	\$859	\$1,328	\$715	\$1,209	\$801	\$916	\$759	\$818	\$811	\$693
11 OPC Psych	\$2,116	\$3,164	\$2,829	\$2,549	\$1,734	\$3,055	\$1,610	\$2,130	\$1,403	\$1,354	\$2,652	\$1,478
12 OPC Home Based Treatment	\$781	\$950	\$1,522	\$1,447	\$484	\$830	\$380	\$723	\$611	\$568	\$1,275	\$813
13 OPC Support	\$1,542	\$1,874	\$1,455	\$1,679	\$1,068	\$2,167	\$1,048	\$1,400	\$1,302	\$1,135	\$3,704	\$1,636
14 OPC Fee	\$99	\$139	\$32	\$56	\$73	\$102	\$93	\$115	\$74	\$101	\$93	\$95
15 OPC Pharmacy	\$1,807	\$1,800	\$1,948	\$1,482	\$1,630	\$1,956	\$1,584	\$1,847	\$1,906	\$1,429	\$1,288	\$1,577
TOTAL	\$17,182	\$21,944	\$18,355	\$26,895	\$16,215	\$23,020	\$15,535	\$15,151	\$10,319	\$13,843	\$20,045	\$18,341
Mean % pt. Costs at Other Stations	4.2%	3.8%	1.7%	3.9%	5.4%	3.4%	5.0%	4.3%	2.4%	2.6%	3.9%	5.2%
SD	13.3%	12.5%	8.7%	12.2%	15.4%	11.7%	14.5%	13.1%	10.0%	10.7%	12.8%	14.6%
Mean % pt. Costs at Other VISNs	1.6%	0.8%	1.7%	1.1%	1.2%	1.5%	1.4%	1.3%	1.3%	1.7%	1.0%	1.1%
SD	8.2%	5.9%	8.7%	6.6%	7.0%	8.2%	7.7%	7.4%	7.5%	8.6%	6.4%	6.6%

**Table 5C: FY01 Patients w/ Schizophrenia, Costs, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Schizophrenia	98739	3976	2094	1478	3893	7780	3754	2829	2165	3404	4396	5815
<u>Total Costs</u> (in thousands \$\$)	\$1,696,541	\$87,132	\$35,492	\$28,616	\$55,898	\$108,324	\$63,462	\$33,927	\$38,960	\$52,890	\$77,836	\$112,365
%	100.0%	5.1%	2.1%	1.7%	3.3%	6.4%	3.7%	2.0%	2.3%	3.1%	4.6%	6.6%
<u>Psych vs. Non-Psych Costs</u>												
Psych	38.5%	33.5%	36.3%	24.9%	38.4%	41.4%	40.2%	37.2%	37.7%	32.4%	38.9%	40.3%
Non-Psych	61.5%	66.5%	63.7%	75.1%	61.6%	58.6%	59.8%	62.8%	62.3%	67.6%	61.1%	59.7%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Mean Inpatient Costs</u>												
Per pt.	\$21,927	\$24,316	\$18,244	\$18,593	\$17,546	\$19,927	\$23,712	\$15,505	\$21,627	\$14,962	\$24,747	\$26,314
Per Day of Stay	\$654	\$652	\$1,060	\$995	\$617	\$759	\$579	\$930	\$695	\$822	\$911	\$920
<u>Mean Outpatient Costs</u>												
Per pt.	\$7,248	\$7,045	\$8,305	\$7,664	\$6,458	\$6,226	\$7,420	\$6,123	\$7,824	\$7,742	\$8,414	\$8,584
Per Clinic Stop	\$258	\$215	\$300	\$234	\$232	\$290	\$243	\$267	\$272	\$234	\$278	\$261
<u>Mean Patient Costs, By Cost Center</u>												
1 Med	\$1,307	\$1,544	\$1,128	\$1,406	\$1,300	\$1,278	\$1,450	\$1,273	\$900	\$1,126	\$1,229	\$1,414
2 Surg	\$490	\$685	\$388	\$681	\$371	\$546	\$461	\$505	\$371	\$435	\$622	\$669
3 Psych	\$4,507	\$5,324	\$3,066	\$2,693	\$3,669	\$4,284	\$5,429	\$2,601	\$4,603	\$2,614	\$3,981	\$4,832
4 Psych Res Rehab Treatment Program	\$189	\$807	\$107	\$8	\$117	\$89	\$121	\$134	\$124	\$146	\$150	\$19
5 Non-VA	\$183	\$74	\$351	\$320	\$104	\$82	\$235	\$304	\$218	\$327	\$521	\$175
6 LTC Domiciliary	\$379	\$695	\$562	\$425	\$178	\$90	\$533	\$149	\$10	\$1,186	\$29	\$616
7 LTC Intermediate Care	\$262	\$227	\$1	\$86	\$235	\$188	\$81	\$8	\$158	\$52	\$105	\$27
8 LTC Nursing Home	\$1,994	\$4,083	\$2,966	\$6,172	\$1,452	\$918	\$797	\$630	\$3,402	\$794	\$1,828	\$1,422
9 Contract Nursing Home	\$622	\$1,586	\$272	\$191	\$554	\$260	\$504	\$291	\$506	\$1,184	\$905	\$1,646
10 OPC Med/Surg	\$904	\$1,096	\$787	\$619	\$835	\$777	\$843	\$722	\$794	\$870	\$918	\$1,193
11 OPC Psych	\$2,116	\$2,007	\$3,079	\$2,132	\$1,850	\$1,486	\$1,374	\$1,862	\$2,178	\$2,415	\$2,907	\$2,965
12 OPC Home Based Treatment	\$781	\$768	\$453	\$824	\$476	\$451	\$975	\$358	\$1,092	\$928	\$810	\$826
13 OPC Support	\$1,542	\$1,288	\$1,357	\$1,307	\$1,066	\$1,425	\$1,901	\$1,289	\$1,186	\$1,155	\$1,654	\$1,593
14 OPC Fee	\$99	\$89	\$221	\$85	\$120	\$70	\$73	\$119	\$172	\$182	\$160	\$74
15 OPC Pharmacy	\$1,807	\$1,641	\$2,210	\$2,411	\$2,031	\$1,979	\$2,130	\$1,747	\$2,283	\$2,121	\$1,886	\$1,854
TOTAL	\$17,182	\$21,914	\$16,949	\$19,361	\$14,359	\$13,923	\$16,905	\$11,992	\$17,995	\$15,538	\$17,706	\$19,323
Mean % pt. Costs at Other Stations	4.2%	5.5%	4.4%	1.5%	1.9%	3.2%	3.4%	4.3%	3.8%	4.3%	4.9%	3.4%
SD	13.3%	15.9%	13.3%	8.2%	8.6%	11.7%	12.5%	13.6%	12.3%	13.5%	15.0%	11.9%
Mean % pt. Costs at Other VISNs	1.6%	1.2%	1.3%	1.5%	1.2%	1.5%	1.8%	2.2%	1.8%	1.5%	1.4%	1.4%
SD	8.2%	7.2%	7.3%	8.2%	6.9%	7.9%	9.0%	9.5%	8.7%	7.7%	7.4%	7.6%

**Table 5D: FY01 Patients w/ Bipolar Disorder, Costs, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Bipolar Disorder	65556	4263	2240	2438	3589	1551	2558	3093	5575	2814	2754	2644
<u>Total Costs</u> (in thousands \$\$)	\$865,837	\$65,765	\$33,196	\$42,812	\$41,513	\$26,895	\$30,980	\$34,078	\$57,272	\$28,495	\$38,266	\$30,890
%	100.0%	7.6%	3.8%	4.9%	4.8%	3.1%	3.6%	3.9%	6.6%	3.3%	4.4%	3.6%
<u>Psych vs. Non-Psych Costs</u>												
Psych	35.8%	32.0%	28.1%	29.7%	25.8%	31.9%	33.6%	27.6%	21.6%	28.3%	24.9%	30.3%
Non-Psych	64.2%	68.0%	71.9%	70.3%	74.2%	68.1%	66.4%	72.4%	78.4%	71.7%	75.1%	69.7%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Mean Hospital Costs, Pts with some Hospital use</u>												
Per Patient	\$15,073	\$17,048	\$15,012	\$22,642	\$14,243	\$16,586	\$13,318	\$13,395	\$11,082	\$11,845	\$12,676	\$15,288
Per Day of Stay	\$739	\$727	\$835	\$895	\$761	\$695	\$562	\$691	\$768	\$702	\$583	\$629
<u>Mean Outpatient Costs, Pts with some Outpatient use</u>												
Per Patient	\$6,801	\$13,394	\$12,796	\$12,726	\$7,991	\$13,613	\$7,828	\$9,442	\$8,828	\$6,875	\$11,160	\$8,308
Per Visit Day	\$269	\$400	\$380	\$394	\$367	\$448	\$391	\$440	\$395	\$402	\$426	\$413
<u>Mean Patient Costs, By Cost Center, all patients</u>												
1 Med	\$1,083	\$920	\$910	\$1,407	\$948	\$1,246	\$796	\$924	\$1,057	\$1,373	\$973	\$850
2 Surg	\$497	\$479	\$501	\$435	\$345	\$550	\$355	\$507	\$386	\$477	\$445	\$467
3 Psych	\$2,723	\$3,460	\$2,524	\$3,851	\$2,159	\$4,364	\$3,452	\$2,143	\$1,332	\$2,325	\$2,167	\$2,835
4 Psych Res Rehab Treatment Program	\$324	\$269	\$748	\$164	\$263	\$331	\$139	\$16	\$302	\$134	\$295	\$321
5 Non-VA	\$127	\$79	\$82	\$60	\$65	\$159	\$175	\$102	\$165	\$30	\$85	\$53
6 LTC Domiciliary	\$598	\$310	\$1,069	\$1,560	\$1,073	\$1,299	\$266	\$167	\$127	\$249	\$1,005	\$5
7 LTC Intermediate Care	\$166	\$373	\$8	\$218	\$245	\$209	\$231	\$171	\$121	\$145	\$287	\$406
8 LTC Nursing Home	\$758	\$982	\$1,120	\$1,578	\$909	\$664	\$1,028	\$461	\$566	\$110	\$839	\$908
9 Contract Nursing Home	\$162	\$228	\$92	\$89	\$54	\$133	\$148	\$116	\$159	\$136	\$162	\$101
10 OPC Med/Surg	\$1,127	\$1,395	\$994	\$1,553	\$882	\$1,396	\$1,034	\$1,022	\$950	\$1,097	\$1,263	\$826
11 OPC Psych	\$2,012	\$3,072	\$3,026	\$2,680	\$1,461	\$2,810	\$1,382	\$1,728	\$1,477	\$1,021	\$2,159	\$1,458
12 OPC Home Based Treatment	\$491	\$5,524	\$5,591	\$5,079	\$2,768	\$5,796	\$2,553	\$3,469	\$3,217	\$2,095	\$4,051	\$3,032
13 OPC Support	\$1,525	\$1,778	\$1,539	\$1,823	\$1,237	\$1,984	\$1,259	\$1,350	\$1,498	\$1,163	\$2,554	\$1,486
14 OPC Fee	\$99	\$88	\$12	\$14	\$72	\$39	\$51	\$106	\$87	\$94	\$73	\$63
15 OPC Pharmacy	\$1,513	\$1,442	\$1,560	\$1,495	\$1,526	\$1,520	\$1,504	\$1,746	\$1,565	\$1,390	\$1,003	\$1,369
TOTAL	\$13,208	\$20,400	\$19,775	\$22,005	\$14,007	\$22,497	\$14,371	\$14,026	\$13,011	\$11,839	\$17,362	\$14,177
Mean % Patient Costs at Other Stations	5.1%	6.4%	2.4%	5.2%	6.2%	5.0%	5.9%	5.5%	4.0%	4.4%	5.2%	6.4%
SD	14.3%	15.8%	10.1%	13.7%	15.6%	13.4%	14.8%	14.8%	12.6%	13.9%	14.8%	15.8%
Mean % Patient Costs at Other VISNs	2.1%	1.1%	2.4%	1.7%	1.8%	2.4%	1.9%	2.3%	2.1%	3.1%	1.8%	1.5%
SD	9.3%	6.7%	10.1%	7.9%	8.7%	9.8%	8.6%	9.7%	9.5%	11.6%	9.0%	7.5%

**Table 5D: FY01 Patients w/ Bipolar Disorder, Costs, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Bipolar Disorder	65556	3112	1882	1105	3018	3989	2836	3013	2561	3593	2739	4189
<u>Total Costs</u> (in thousands \$)	\$865,837	\$67,481	\$24,297	\$14,789	\$39,588	\$45,937	\$36,623	\$30,536	\$31,126	\$47,920	\$38,771	\$58,607
%	100.0%	7.8%	2.8%	1.7%	4.6%	5.3%	4.2%	3.5%	3.6%	5.5%	4.5%	6.8%
<u>Psych vs. Non-Psych Costs</u>												
Psych	35.8%	27.9%	31.5%	30.1%	30.0%	29.0%	30.7%	26.0%	31.5%	27.0%	26.1%	28.3%
Non-Psych	64.2%	72.1%	68.5%	69.9%	70.0%	71.0%	69.3%	74.0%	68.5%	73.0%	73.9%	71.7%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Mean Inpatient Costs</u>												
Per Patient	\$15,073	\$19,365	\$12,935	\$14,854	\$13,907	\$16,492	\$14,956	\$12,261	\$15,798	\$13,328	\$18,390	\$19,494
Per Day of Stay	\$739	\$588	\$981	\$910	\$580	\$769	\$588	\$970	\$854	\$820	\$1,029	\$1,148
<u>Mean Outpatient Costs</u>												
Per Patient	\$6,767	\$11,971	\$11,883	\$9,831	\$11,835	\$10,198	\$9,192	\$7,390	\$9,485	\$9,728	\$11,730	\$11,438
Per Clinic Stop	\$269	\$326	\$445	\$369	\$472	\$484	\$359	\$346	\$395	\$369	\$480	\$444
<u>Mean Patient Costs, By Cost Center</u>												
1 Med	\$1,083	\$1,520	\$1,012	\$835	\$1,018	\$1,070	\$973	\$1,191	\$974	\$1,263	\$1,093	\$1,301
2 Surg	\$497	\$480	\$209	\$451	\$440	\$671	\$492	\$569	\$510	\$713	\$821	\$537
3 Psych	\$2,723	\$4,503	\$2,263	\$2,801	\$3,325	\$3,171	\$3,239	\$1,706	\$2,964	\$2,149	\$2,451	\$2,601
4 Psych Res Rehab Treatment Program	\$324	\$2,216	\$154	\$85	\$136	\$128	\$237	\$56	\$178	\$498	\$358	\$43
5 Non-VA	\$127	\$29	\$168	\$251	\$185	\$86	\$114	\$158	\$147	\$245	\$343	\$115
6 LTC Domiciliary	\$598	\$2,178	\$765	\$956	\$506	\$201	\$612	\$209	\$9	\$1,038	\$155	\$548
7 LTC Intermediate Care	\$166	\$286	\$0	\$90	\$314	\$128	\$30	\$6	\$149	\$23	\$104	\$44
8 LTC Nursing Home	\$758	\$1,929	\$571	\$953	\$592	\$373	\$402	\$410	\$418	\$356	\$1,357	\$672
9 Contract Nursing Home	\$162	\$568	\$70	\$141	\$138	\$41	\$139	\$136	\$154	\$268	\$85	\$262
10 OPC Med/Surg	\$1,127	\$1,445	\$985	\$864	\$930	\$994	\$1,154	\$1,035	\$1,138	\$1,102	\$1,119	\$1,511
11 OPC Psych	\$2,012	\$2,613	\$3,108	\$2,131	\$2,191	\$1,483	\$1,483	\$1,363	\$1,745	\$2,244	\$2,367	\$2,365
12 OPC Home Based Treatment	\$491	\$4,565	\$4,477	\$3,629	\$5,784	\$4,841	\$2,968	\$2,108	\$3,204	\$3,326	\$4,867	\$4,153
13 OPC Support	\$1,525	\$1,672	\$1,510	\$1,406	\$1,220	\$1,235	\$1,868	\$1,353	\$1,481	\$1,204	\$1,591	\$1,662
14 OPC Fee	\$99	\$88	\$149	\$68	\$140	\$75	\$62	\$105	\$223	\$218	\$188	\$101
15 OPC Pharmacy	\$1,513	\$1,422	\$1,603	\$1,707	\$1,500	\$1,534	\$1,619	\$1,408	\$1,661	\$1,606	\$1,538	\$1,608
TOTAL	\$13,208	\$25,515	\$17,046	\$16,367	\$18,418	\$16,033	\$15,391	\$11,815	\$14,953	\$16,254	\$18,436	\$17,524
Mean % Patient Costs at Other Stations	5.1%	6.9%	6.4%	1.9%	3.0%	5.2%	4.3%	5.5%	4.7%	5.9%	5.6%	4.2%
SD	14.3%	16.2%	14.9%	8.9%	10.8%	14.5%	13.2%	15.0%	14.0%	15.7%	15.4%	12.9%
Mean % Patient Costs at Other VISNs	2.1%	1.7%	2.4%	1.9%	1.9%	2.5%	2.8%	2.8%	2.6%	2.3%	2.2%	1.8%
SD	9.3%	7.8%	10.0%	8.9%	8.8%	10.0%	10.6%	10.6%	10.4%	9.9%	9.5%	8.4%

**Table 5E: FY01 Patients w/ Other Psychoses, Costs, by VISN**

	all VISNs	VISN 1	VISN 2	VISN 3	VISN 4	VISN 5	VISN 6	VISN 7	VISN 8	VISN 9	VISN 10	VISN 11
Patients w/ Other Psychoses	32380	1360	713	1199	1287	909	1574	1900	3060	1731	1129	987
<u>Total Costs</u> (in thousands \$\$)	\$520,148	\$24,565	\$14,671	\$19,524	\$24,097	\$18,904	\$21,894	\$30,382	\$38,918	\$23,329	\$18,997	\$18,329
%	100.0%	4.7%	2.8%	3.8%	4.6%	3.6%	4.2%	5.8%	7.5%	4.5%	3.7%	3.5%
<u>Psych vs. Non-Psych Costs</u>												
Psych	19.8%	20.3%	17.8%	23.6%	13.4%	20.8%	18.9%	20.4%	11.5%	15.5%	18.3%	16.9%
Non-Psych	80.2%	79.7%	82.2%	76.4%	86.6%	79.2%	81.1%	79.6%	88.5%	84.5%	81.7%	83.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Mean Hospital Costs, Pts with some Hospital use</u>												
Per Patient	\$16,709	\$17,378	\$18,795	\$20,675	\$17,570	\$18,782	\$12,959	\$17,994	\$13,691	\$14,608	\$11,719	\$18,324
Per Day of Stay	\$823	\$723	\$1,056	\$761	\$837	\$641	\$592	\$720	\$770	\$838	\$580	\$841
<u>Mean Outpatient Costs, Pts with some Outpatient use</u>												
Per Patient	\$6,379	\$8,178	\$8,064	\$6,956	\$4,858	\$7,418	\$5,463	\$6,247	\$5,693	\$5,539	\$7,199	\$5,688
Per Visit Day	\$299	\$296	\$265	\$283	\$272	\$319	\$323	\$325	\$294	\$344	\$316	\$308
<u>Mean Patient Costs, By Cost Center, all patients</u>												
1 Med	\$2,930	\$2,254	\$3,440	\$2,816	\$3,109	\$3,534	\$2,207	\$3,508	\$2,402	\$3,146	\$2,218	\$3,839
2 Surg	\$1,033	\$1,078	\$1,372	\$702	\$1,470	\$1,238	\$653	\$782	\$753	\$1,363	\$434	\$1,330
3 Psych	\$2,094	\$2,202	\$1,990	\$2,603	\$1,632	\$3,018	\$1,940	\$2,273	\$769	\$1,610	\$1,916	\$2,258
4 Psych Res Rehab Treatment Program	\$133	\$66	\$286	\$224	\$61	\$167	\$95	\$1	\$156	\$59	\$248	\$210
5 Non-VA	\$222	\$407	\$142	\$21	\$129	\$177	\$335	\$295	\$261	\$54	\$82	\$156
6 LTC Domiciliary	\$243	\$79	\$349	\$496	\$538	\$874	\$133	\$86	\$52	\$63	\$320	\$6
7 LTC Intermediate Care	\$571	\$1,147	\$5	\$841	\$1,129	\$1,106	\$910	\$723	\$502	\$447	\$1,492	\$1,048
8 LTC Nursing Home	\$1,863	\$1,974	\$4,520	\$1,101	\$5,261	\$2,526	\$1,548	\$1,539	\$1,308	\$563	\$2,539	\$2,540
9 Contract Nursing Home	\$629	\$727	\$534	\$534	\$608	\$797	\$656	\$562	\$845	\$644	\$418	\$1,537
10 OPC Med/Surg	\$1,310	\$1,711	\$1,503	\$1,774	\$893	\$1,616	\$1,200	\$1,273	\$1,084	\$1,410	\$1,294	\$1,290
11 OPC Psych	\$1,089	\$1,462	\$1,670	\$1,246	\$884	\$1,306	\$695	\$990	\$698	\$477	\$1,156	\$882
12 OPC Home Based Treatment	\$702	\$1,188	\$1,329	\$689	\$424	\$1,101	\$584	\$812	\$570	\$544	\$708	\$646
13 OPC Support	\$1,671	\$2,058	\$1,962	\$1,935	\$1,257	\$2,040	\$1,395	\$1,649	\$1,577	\$1,485	\$2,813	\$1,497
14 OPC Fee	\$176	\$223	\$37	\$116	\$151	\$190	\$136	\$134	\$199	\$218	\$379	\$91
15 OPC Pharmacy	\$1,396	\$1,487	\$1,439	\$1,185	\$1,177	\$1,107	\$1,421	\$1,364	\$1,543	\$1,396	\$810	\$1,242
TOTAL	\$16,064	\$18,062	\$20,576	\$16,283	\$18,723	\$20,797	\$13,910	\$15,991	\$12,718	\$13,477	\$16,826	\$18,570
Mean % Patient Costs at Other Stations	4.0%	4.3%	1.8%	3.2%	6.0%	4.1%	4.5%	4.8%	2.3%	2.9%	5.8%	6.1%
SD	12.9%	13.0%	9.2%	10.5%	15.6%	13.4%	13.3%	14.1%	10.0%	10.8%	16.3%	15.2%
Mean % Patient Costs at Other VISNs	1.5%	1.1%	1.8%	1.4%	1.4%	1.7%	1.3%	1.4%	1.3%	1.6%	1.5%	1.6%
SD	7.9%	6.7%	9.2%	6.6%	7.6%	8.7%	7.0%	7.6%	7.5%	7.8%	8.1%	8.2%

**Table 5E: FY01 Patients w/ Other Psychoses, Costs, by VISN**

	all VISNs	VISN 12	VISN 13	VISN 14	VISN 15	VISN 16	VISN 17	VISN 18	VISN 19	VISN 20	VISN 21	VISN 22
Patients w/ Other Psychoses	32380	1270	736	356	1889	3432	1657	1586	782	1351	1619	1853
<u>Total Costs</u> (in thousands \$)	\$520,148	\$25,465	\$13,429	\$7,182	\$25,668	\$45,389	\$24,542	\$24,571	\$14,300	\$20,570	\$32,750	\$32,673
%	100.0%	4.9%	2.6%	1.4%	4.9%	8.7%	4.7%	4.7%	2.7%	4.0%	6.3%	6.3%
<u>Psych vs. Non-Psych Costs</u>												
Psych	19.8%	22.2%	23.8%	17.9%	18.6%	25.5%	23.9%	12.3%	17.6%	23.4%	25.9%	23.0%
Non-Psych	80.2%	77.8%	76.2%	82.1%	81.4%	74.5%	76.1%	87.7%	82.4%	76.6%	74.1%	77.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<u>Mean Inpatient Costs</u>												
Per Patient	\$16,709	\$17,841	\$18,821	\$16,425	\$13,328	\$16,663	\$17,173	\$15,873	\$15,527	\$14,543	\$21,849	\$23,567
Per Day of Stay	\$823	\$778	\$1,218	\$1,021	\$751	\$855	\$664	\$1,172	\$837	\$858	\$1,156	\$1,183
<u>Mean Outpatient Costs</u>												
Per Patient	\$6,345	\$7,553	\$7,613	\$6,734	\$5,732	\$5,430	\$5,857	\$5,880	\$6,316	\$6,540	\$8,111	\$7,631
Per Clinic Stop	\$299	\$239	\$323	\$333	\$296	\$311	\$301	\$284	\$313	\$262	\$302	\$323
<u>Mean Patient Costs, By Cost Center</u>												
1 Med	\$2,930	\$3,475	\$3,444	\$3,569	\$2,843	\$2,538	\$2,652	\$3,816	\$2,890	\$2,718	\$2,409	\$3,757
2 Surg	\$1,033	\$1,378	\$1,678	\$1,316	\$781	\$899	\$770	\$1,431	\$707	\$853	\$1,951	\$934
3 Psych	\$2,094	\$3,125	\$2,293	\$2,590	\$1,576	\$2,491	\$2,869	\$1,098	\$2,479	\$1,919	\$2,887	\$2,545
4 Psych Res Rehab Treatment Program	\$133	\$583	\$99	\$0	\$14	\$153	\$82	\$31	\$71	\$124	\$308	\$21
5 Non-VA	\$222	\$84	\$258	\$489	\$225	\$68	\$201	\$391	\$99	\$640	\$413	\$147
6 LTC Domiciliary	\$243	\$549	\$400	\$564	\$69	\$88	\$192	\$202	\$3	\$1,070	\$129	\$278
7 LTC Intermediate Care	\$571	\$1,175	\$2	\$676	\$394	\$472	\$139	\$17	\$1,054	\$79	\$128	\$64
8 LTC Nursing Home	\$1,863	\$1,653	\$2,235	\$4,154	\$1,629	\$861	\$1,321	\$1,535	\$3,080	\$847	\$3,716	\$1,555
9 Contract Nursing Home	\$629	\$505	\$242	\$121	\$353	\$241	\$763	\$1,121	\$1,628	\$475	\$262	\$715
10 OPC Med/Surg	\$1,310	\$1,622	\$1,363	\$1,275	\$1,053	\$1,076	\$1,027	\$1,324	\$1,472	\$1,168	\$1,393	\$1,874
11 OPC Psych	\$1,089	\$1,333	\$2,047	\$1,016	\$948	\$875	\$672	\$814	\$731	\$1,641	\$2,361	\$1,502
12 OPC Home Based Treatment	\$702	\$784	\$453	\$675	\$583	\$555	\$642	\$725	\$774	\$577	\$980	\$789
13 OPC Support	\$1,671	\$1,940	\$1,812	\$1,719	\$1,462	\$1,344	\$1,849	\$1,547	\$1,485	\$1,437	\$1,681	\$1,952
14 OPC Fee	\$176	\$236	\$397	\$184	\$201	\$72	\$108	\$186	\$256	\$268	\$251	\$96
15 OPC Pharmacy	\$1,396	\$1,608	\$1,520	\$1,826	\$1,455	\$1,493	\$1,523	\$1,255	\$1,558	\$1,410	\$1,360	\$1,401
TOTAL	\$16,064	\$20,051	\$18,246	\$20,173	\$13,588	\$13,225	\$14,811	\$15,492	\$18,287	\$15,226	\$20,228	\$17,633
Mean % Patient Costs at Other Stations	4.0%	5.1%	4.9%	1.2%	1.7%	3.6%	2.6%	4.6%	3.9%	6.3%	5.4%	3.7%
SD	12.9%	14.2%	13.6%	6.6%	8.2%	13.0%	10.4%	14.0%	13.4%	16.2%	15.4%	12.5%
Mean % Patient Costs at Other VISNs	1.5%	0.8%	1.6%	1.2%	1.0%	1.3%	1.7%	2.3%	2.3%	2.5%	1.6%	1.6%
SD	7.9%	5.3%	7.8%	6.6%	6.1%	7.7%	8.4%	9.8%	10.7%	10.3%	8.2%	7.9%



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## Appendix A: Psychosis Diagnostic Groupings

Patients were identified using data obtained from the nationwide VA Patient Treatment File (PTF) and Outpatient Care Files (OPC) located at the Austin Automation Center in Austin, Texas. Patients were included provided they had at least one qualifying psychosis diagnosis in the FY01 inpatient or outpatient data. The chart below includes all qualifying ICD-9 diagnoses codes and their groupings. Group assignments were determined by ascertaining which diagnosis was recorded in the majority of instances of utilization.

<b>schizophrenic disorders</b>	<b>affective psychoses</b>	<b>other diagnoses of psychosis</b>
295.0 simple type	296.0 manic disorder, single episode	297.0 Paranoid state, simple
295.1 disorganized type	296.1 manic disorder, recurrent episode	297.1 paranoia
295.2 catatonic type	296.4 bipolar affective disorder, manic	297.2 paraphrenia
295.3 paranoid type	296.5 bipolar affective disorder, depressed	297.3 shared paranoid disorder
295.4 acute schizophrenic episode	296.6 bipolar affective disorder, mixed	297.8 other specified paranoid states
295.6 residual schizophrenia	296.7 bipolar affective disorder, unspecified	297.9 unspecified paranoid state
295.7 schizo-affective type	296.8 manic depressive psychosis, other and unspecified	298.0 depressive type psychosis
295.8 other specified types of schizophrenia		298.1 excitative type psychosis
295.9 unspecified schizophrenia		298.2 reactive confusion
		298.3 acute paranoid reaction
		298.4 psychogenic paranoid psychosis
		298.8 other and unspecified reactive psychosis
		298.9 unspecified psychosis

## Appendix B: Cost

The Allocation Resource Center (ARC) in Braintree, Massachusetts, provided cost data for each patient by facility and cost center. The ARC database is an integrated, costed, clinical database for all veterans receiving care in a given fiscal year. ARC's basic approach is that patient costs = (patient workload) x (unit costs). Patient workload is estimated from a broad set of data resources. The ARC data sources include the Patient Treatment File, the Patient Assessment File, the Immunology Case Registry, the Fee Basis File, Home Dialysis, the Outpatient Care File, Outpatient Pharmacy data, HCFA, and the Cost Distribution Report. The ARC estimates each patient's portion of the total resource utilization and applies that proportion to unit costs, which are based on Decision Support System (DSS) data. ARC cost estimates encompass direct and indirect costs, excluding capital expenses. Note that in FY99 and FY00 the ARC derived costs from Cost Distribution Report data (CDR). This report presents ARC cost estimates for FY01 derived from DSS costs data.

A patient's total costs are assigned to the station at which they had the most utilization. We aggregate service location costs into 15 groups, as follows:

### ARC FY01 Cost Data:

#### Group 1: Medicine

- Blind Rehab
- Epilepsy Center
- Medicine
- Medical GEM
- Medical ICU
- Neurology
- Neurology GEM
- Rehabilitation
- Rehabilitation GEM
- Spinal Cord Injury

#### Group 2: Surgery

- Operating Room Procedures
- Surgical ICU
- Surgery
- Transplant Team Costs

#### Group 3: Psychiatry

- Eval/Brief Trmt PTSD
- Psychiatry
- Psychiatry GEM
- Psy General Intermediate
- Psy Subst Intermed
- Spec Inpt PTSD Unit
- Sustained Trmt and Rehab
- Substance Abuse STAR
- Substance Abuse

#### Group 4: PR RTP

- Psych Resid Rehab Trmt
- PTSD Resid Rehab Trmt
- Homeless Chron Ment Ill
- Substance Abuse CWT
- Subst Abuse Resid Rehab Trmt

Group 5: Non-VA

Non V.A. Medicine  
Non V.A. Psychiatry  
Non V.A. Surgery

Group 6: LTC: Domiciliary

Domiciliary  
Domiciliary Substance Abuse  
Domiciliary PTSD  
Domiciliary GEM

Group 7: LTC: Intermediate Care

Intermediate Care  
Intermediate GEM

Group 8: LTC: Nursing Home

Nursing Home GEM  
Nursing Home Care

Group 9: Contract Nursing Home

Non V.A. Nursing Home

Group 10: Outpatient Care -- Med/Surg

Cancer Treatment  
Outpatient Admit/Screen  
Outpatient Ambulatory Surgery  
Outpatient Dialysis  
Outpatient Medicine  
Outpatient Surgery  
Primary Care Surgery

Group 11: Outpatient Care -- Psych

Homeless Mentally Ill  
Outpatient Gen Psych  
Outpatient PTSD  
Outpatient Spc Psych  
Outpatient Substance Abuse  
Outpatient Substance Disorder  
Primary Care Psych  
Psychosocial Group

Group 12: Outpatient Care -- Home Based Treatment

Home Based Dialysis  
Home Based Primary Care  
Outpatient Residential  
Primary Care Medicine  
SCI Home Care  
Sustained Trmt and Rehab

Group 13: Outpatient Care -- Support

Ambulatory Care  
DOM After Care - VA

Outpatient ADHC  
Outpatient Ancillary  
Outpatient Dentistry  
Outpatient Diagnostic  
Outpatient Prosthetics  
Outpatient Rehab  
Telephone Contact

Group 14: Outpatient Care -- Fee  
Non V.A. Ambulatory Care

Group 15: Outpatient Care -- Pharmacy  
Outpatient Pharmacy

## Appendix C: Utilization Data

All utilization data was obtained from the nationwide VA Patient Treatment File (PTF) and Outpatient Care Files (OPC) located at the Austin Automation Center in Austin, Texas.

1. hospital based utilization, (based on the patient's bed section at discharge)
  - a. psych and non-psych- reported for those with some hospital based utilization
    - i. non-psych- reported for those with some hospital based utilization
    - ii. psych- reported for those with some hospital based utilization includes:
      - SA/CWT
      - Gem Psychiatry
      - PTSD CWT
      - General CWT/TR
      - Acute psych
      - Long term psych
      - Alc dep, high int
      - Drug dep, high int
      - SA, high int
      - Spec IP PTSD unit
      - Psych SA, inter care
      - STAR
      - SA STAR
      - Eval/brief tx, PTSD
      - Psych-general intermed
      - High inten gen psych
      - Psych observation
2. other 24 hour institutional care, (based on the patient's bed section at discharge)
  - b. res rehab- reported for those with some res rehab, includes:
    - Psych Res Rehab Treatment
    - PTSD Res Rehab Treatment
    - Sub Abuse Res Rehab Treatment
  - c. dom and voc- reported for those with some dom or voc, includes:
    - HCMC CWT/TR
    - SA CWT/TR
    - Domiciliary
    - Dom Substance Abuse
    - Dom PTSD
    - Gem Dom
  - d. nursing home- reported for those with some nursing home, includes:
    - Nursing Home Care
    - Gem NHCU
    - Respite Care
3. outpatient care- all variables reported for those with some outpatient care
  - e. annual clinic stops
    - i. non-psych clinic stops
    - ii. psych clinic stops
      1. general psych clinic stops, includes:
        - Bereavement Counseling
        - Mental Health Clinic (Individual)
        - Mental Health Care Residential (Individual)
        - Psychiatry MD (Individual)
        - Psychology (Individual)
        - Psychiatry Consultation
        - Long-term Enhancement
        - Long-term Enhancement (Group)

- Active Duty Sexual Trauma
- Women's Stress Disorder Treatment Teams
- Telephone General Psychiatry
- Telephone Homeless Mentally Ill
- Telephone HUD-VASH
- Mental Health Primary Care Team (Individual)
- Psychosocial Rehabilitation (Individual)
- Telephone Mental Health Vocational
- Telephone Psychosocial Rehabilitation
- Mental Health Clinic (Group)
- Psychiatry Group
- Psychology (Group)
- Psychosocial Rehabilitation (Group)
- Mental Health Primary Care Team (Group)
- Psychogeriatric Clinic (Individual)
- Psychogeriatric Clinic (Group)
- Telephone Psychogeriatrics
- Non-Active Duty Sexual Trauma
- 2. psych case management clinic stops, includes:
  - Telephone/MHICM
  - IPCC Community Visit
  - Intensive Community Case Management (ICCM)
- 3. psych day treatment clinic stops, includes:
  - Day Treatment (Individual)
  - Day Hospital (Individual)
  - Day Treatment (Group)
  - Day Hospital (Group)
- 4. substance abuse clinic stops, includes:
  - Substance Abuse (Individual)
  - Substance Abuse Home Visit
  - Opioid Substitute
  - Telephone Substance Abuse
  - Intensive Substance Abuse Treatment
  - Substance Abuse (Group)
- 5. psych vocational clinic stops, includes:
  - Mental Health Vocational Assistance (Individual)
  - Mental Health Incentive Therapy (Group)
  - Mental Health Compensated Work Therapy (CWT) (Group)
  - Mental Health Vocational Assistance (Group)
- 6. PTSD clinic stops, includes:
  - PTSD (Individual)
  - Substance Use Disorder/PTSD Teams
  - Post Traumatic Stress Disorder (PTSD)
  - Telephone PTSD
  - PCT-PTSD (Group)
  - PTSD (Group)
  - PTSD Day Hospital
  - PTSD Day Treatment
- 7. psych homeless clinic stops, includes:
  - (HUD) – (VASH)
  - Health Care for Homeless veterans (HCHV)/HMI
  - Community Outreach to Homeless Vets by Staff other than HCHV
  - Domiciliary Care for Homeless Veterans (DCHV) programs